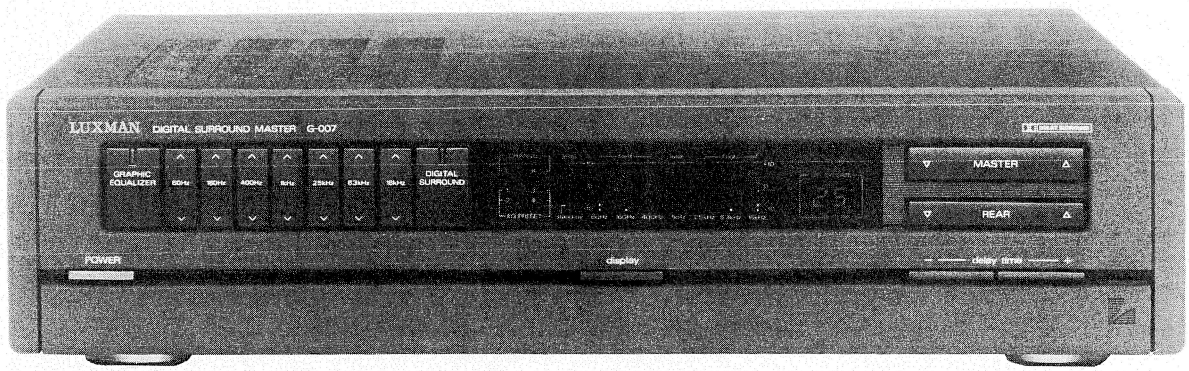
SERVICE MANUAL

Digital Surround Master

G-007



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Specifications

		Nominal	Limit	Unit
Output power at 0.08% 8 ohm			15	W
T.H.D. 20 Hz ~ 20 KHz, Matrix mode				
EIAJ power 1 KHz 6 ohm		30	20	W
10% T.H.D. Matrix mode				
Input Sensitivity				
15 W/8 ohm Mode Matrix, input each channel 1 KHz		150	150 ± 30	mV
MIC (Adapter out 150 mV)		2.5	2.5 ± 0.5	mV
Input Impedance 1 KHz				
Tape input, Adapter input		50	50 ± 10	Kohm
Mic		11	11 ± 2	Kohm
Frequency Response		+1/−2	+1/−3	dB
SP terminal 1 W 8 ohm, Mode Matrix 20 Hz ~ 50 KHz				
IM Distortion 50 Hz : 7 KHz		0.02	0.05	%
15 W/8 ohm, Mode Matrix				
Graphic EQ		±10	±10 ±2	dB
60, 160, 400, 1K, 2.5K, 6.3K, 16K Hz				
Output Level (Adapter input 150 mV)				
Adapter output		150	150 ± 30	mV
Surround output		750	750 ± 150	mV
Tape output (Tape input 150 mV)		150	150 ± 30	mV
Signal to Noise Ratio (IHF A weighted ref. 15 W/8 ohm input shorted)				
Matrix		85	80	dB
Time delay		55	45	dB
Dolby ref. Dolby Level (CCIR-ARM)			55	dB
Delay Time		15 msec	±10	%
		20 msec	±10	%
		25 msec	±10	%
		30 msec	±10	%
		35 msec	±10	%
Distortion				
8 ohm 10 W, Mode Matrix	20 Hz	0.02	0.03	%
	1 KHz	0.02	0.03	%
	20 KHz	0.03	0.05	%
Adapter outout	20 Hz ~ 20 KHz 1 V	0.035	0.05	%
Tape output	20 Hz ~ 20 KHz 1 V	0.035	0.05	%
Over Load capability 1 KHz			4	V
Mode Matrix 0.1%				
Dimensions			360(W) x 348(D) x 90(H) mm	
Weight			5.25 kgs (Net)	

Parts Locations

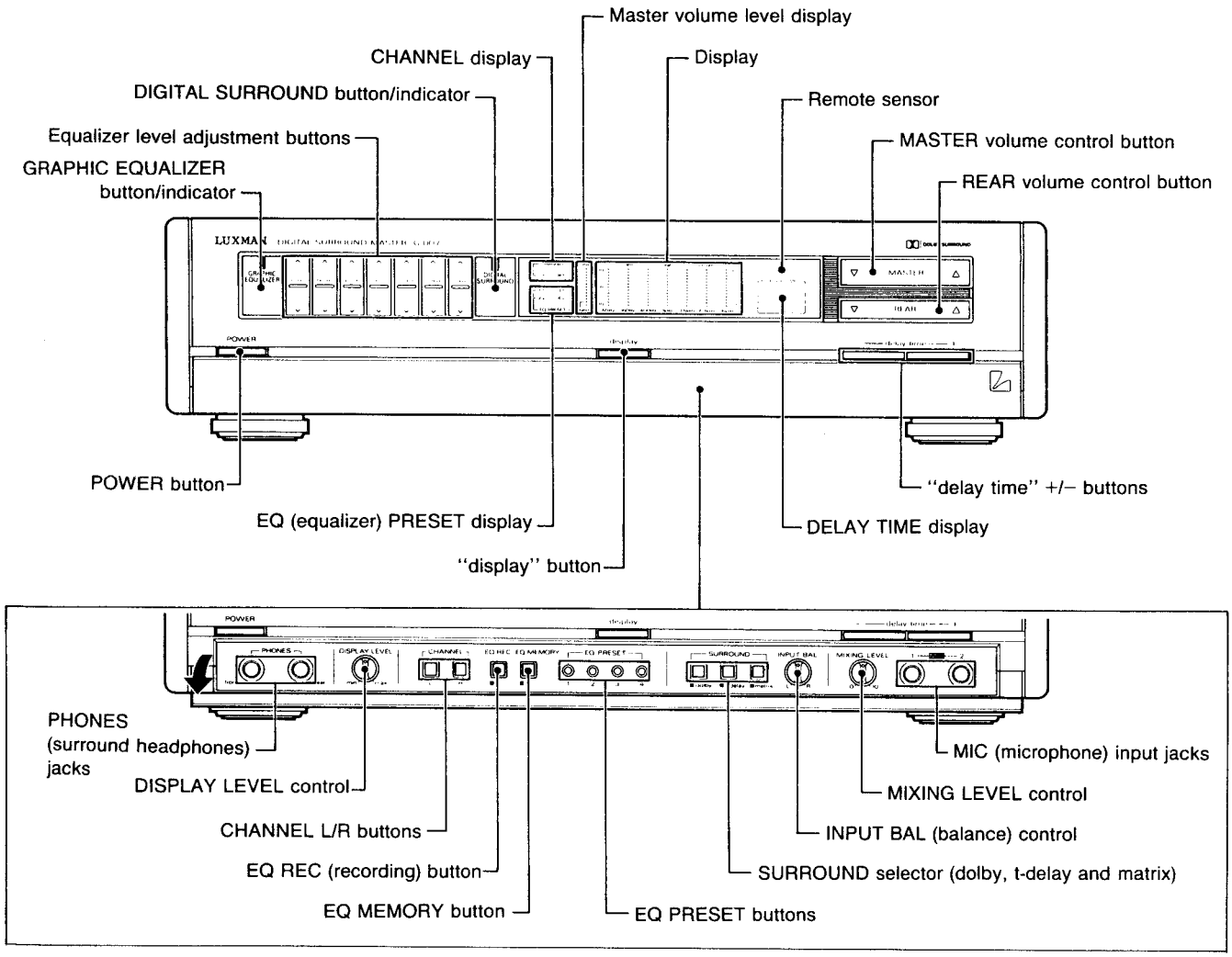


Figure 1

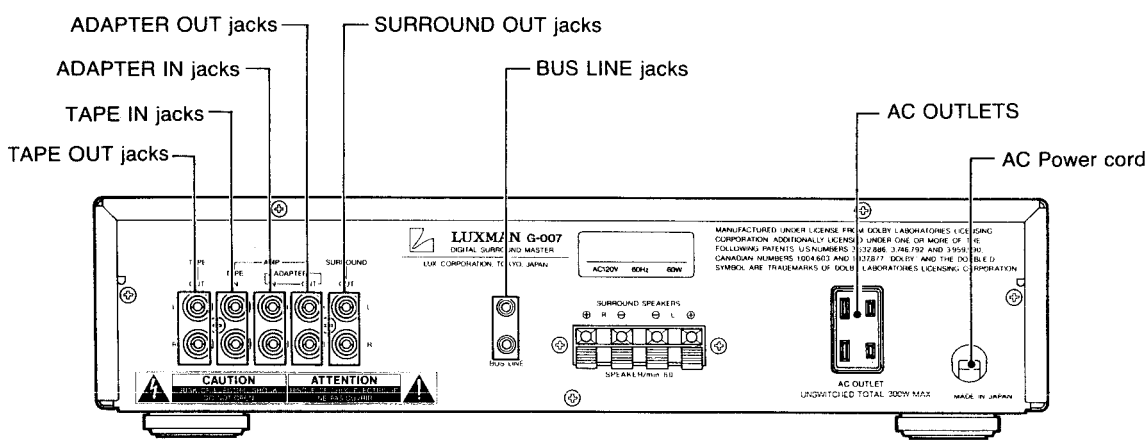


Figure 2

Disassembly Instructions

1. Removal of Top Cover
   1) Remove four screws from both sides and two screws from Back Panel marked "*" as shown in Figure 3.
   2) Remove the Top Cover.

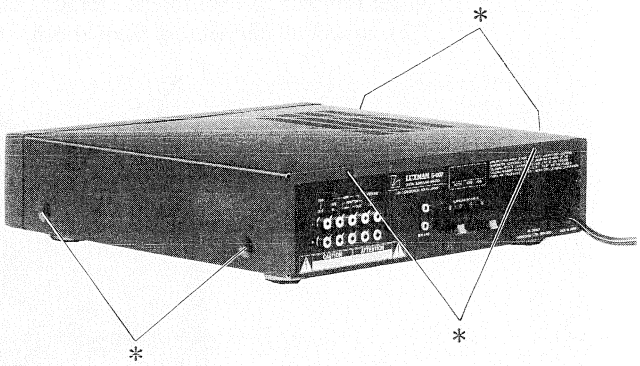


Figure 3

2. Removal of Front Panel
   1) Remove three screws from the bottom marked as "▲" in Figure 4.
   2) Remove two hooks marked as "△" in Figure 5.
   3) Remove the Front Panel.

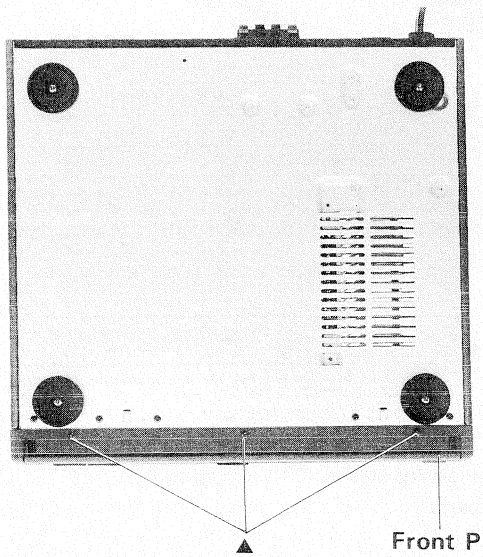


Figure 4

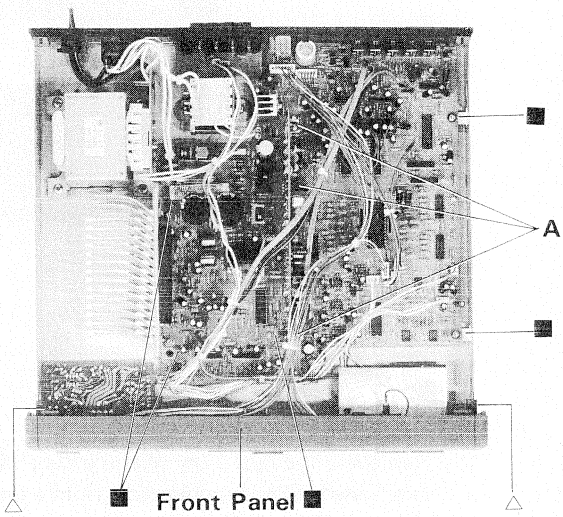


Figure 5

3. Removal of Back Panel
   1) Remove eight screws from the Back Panel marked as "□" in Figure 6.
   2) Remove the Back Panel.

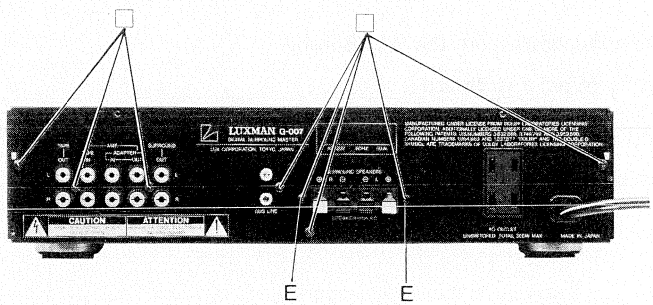


Figure 6

4. Removal of Main P.C. Board
   1) After removal of the Back Panel, remove four screws and one hook marked as "■" in Figure 5.
   2) Disconnect all connectors and wires from main P. C. Board.
5. Removal of CPU P. C. Board (Front)
   1) After removal of Front Panel, remove three screws and eight hooks marked as "●" in Figure 7.
   2) Disconnect all connectors from another board.

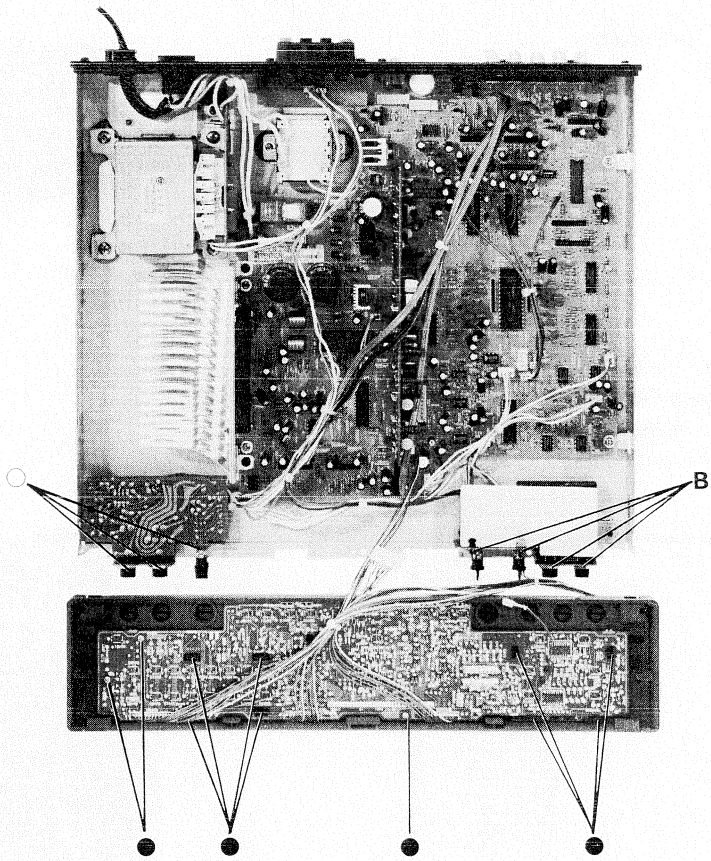


Figure 7

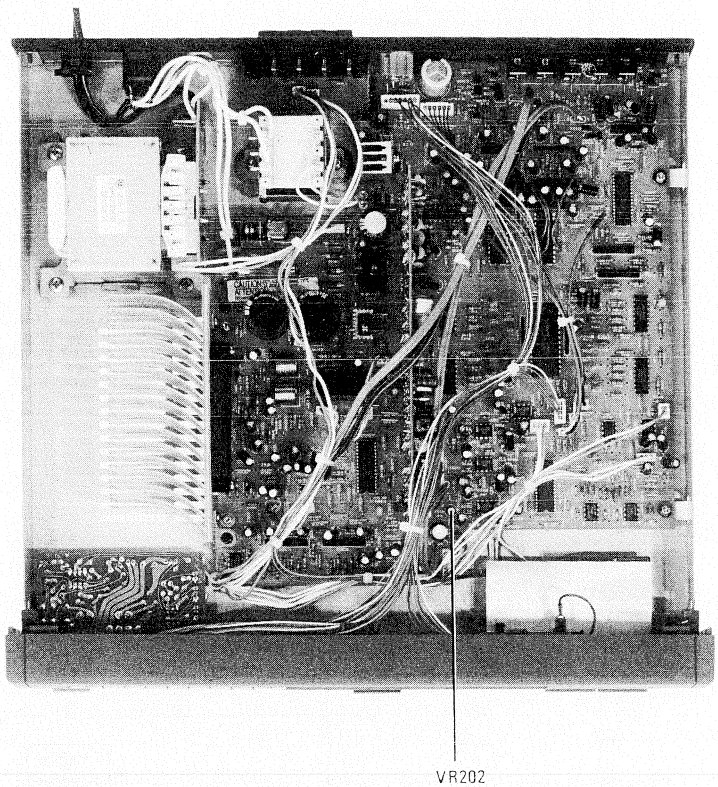
6. Removal of Headphone P.C. Board
   1) Remove three nuts from phone jacks and a control shaft marked as "○" in Figure 7.
   2) Disconnect all wire connectors from another P.C. Board.
7. Removal of Digital Delay P.C. Board
   1) After removal of main P.C. Board, remove the solder marked as "A" on main P.C. Board as shown in Figure 5.
   2) Remove a wire connector from the P.C. Board.
8. Remove of Mic Amp P.C. Board
   1) After removal of Front Panel, remove four nuts from phone jacks and control shafts marked as "B" in Figure 7.
   2) Remove all wire connectors from the P.C. Board.
9. Removal of Speaker Terminal P.C. Board
   1) After removal of Top Cover, remove two screws marked as "E" from both sides of Speaker Terminal on Back Panel.
   2) Disconnect wire connectors from P.C. Boards.

Adjustment Procedures

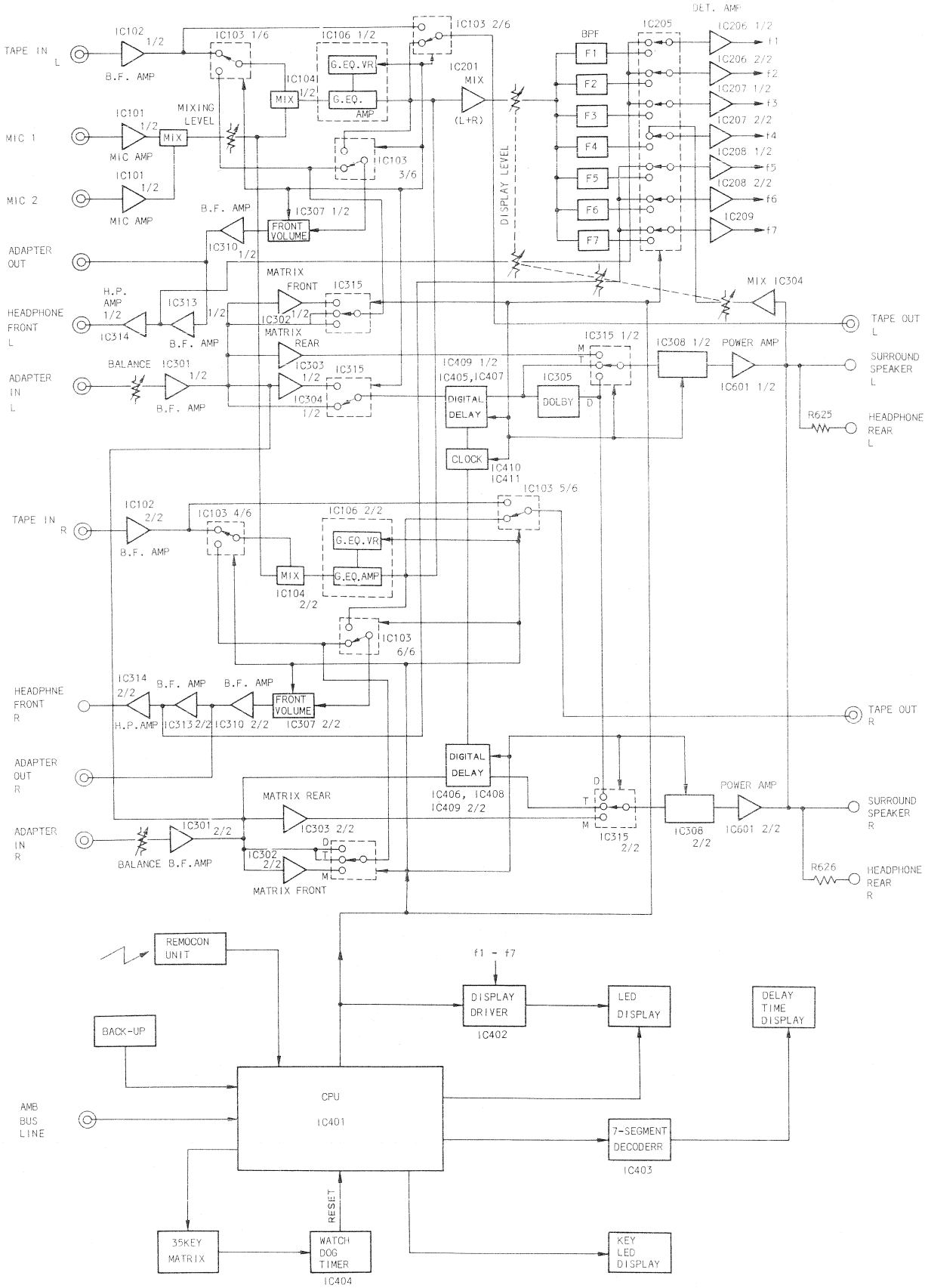
Note: be sure to disconnect signal soureces during adjustment.

STEP	INDICATOR	ADJUSTMENT	NOTES
1	DIGITAL SURROUND mode (LED on DIGITAL SURROUND button lights when pressed.)		Lights LEDs on Display Panel
2	LEDs on Display Panel	VR202	Adjust to light green LEDs two points of both 60 Hz and 16 kHz and one point of both 160 Hz and 6.3 kHz simultaneously on display panel.

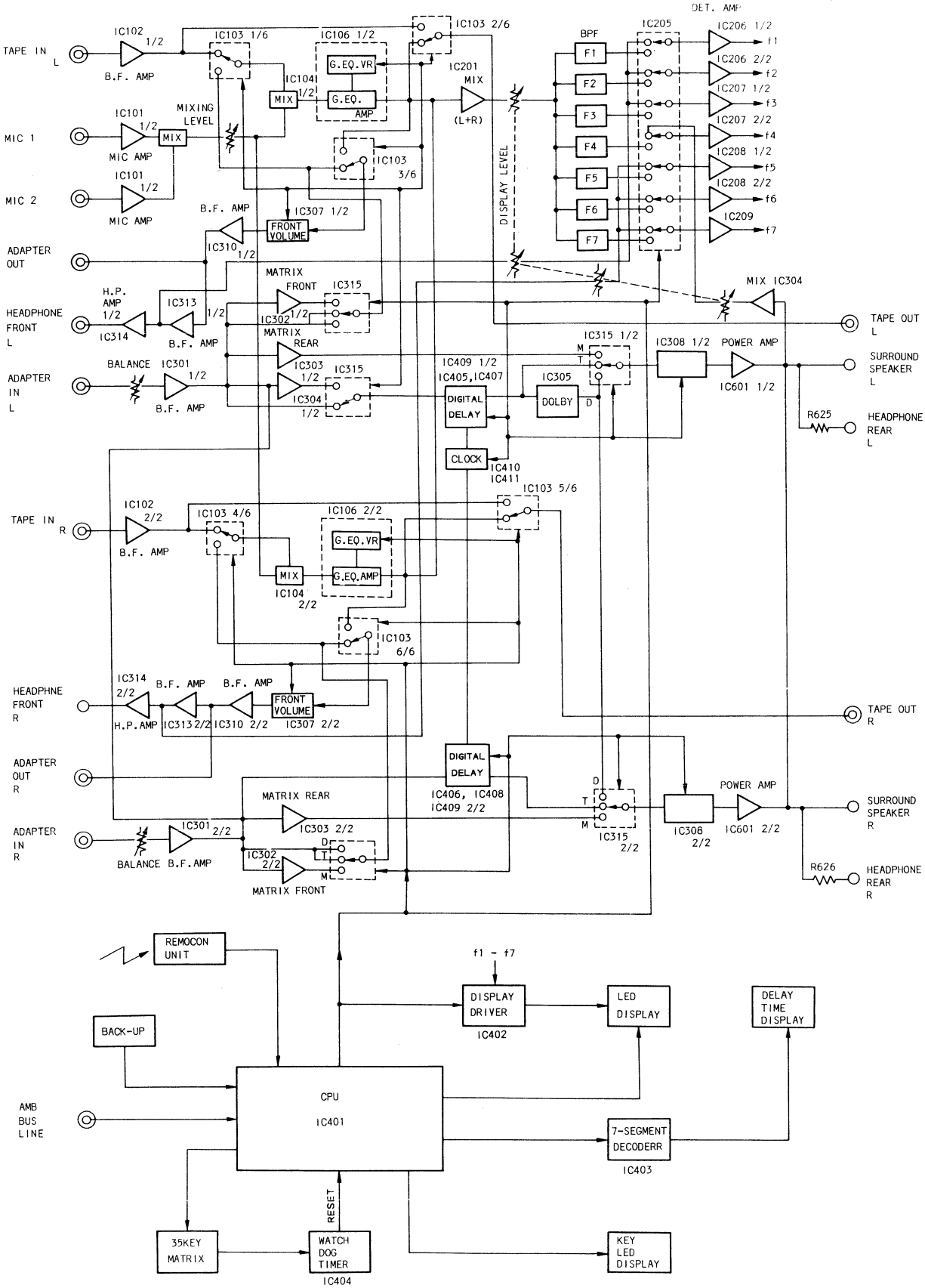
Adjustment Location



Block Diagrams

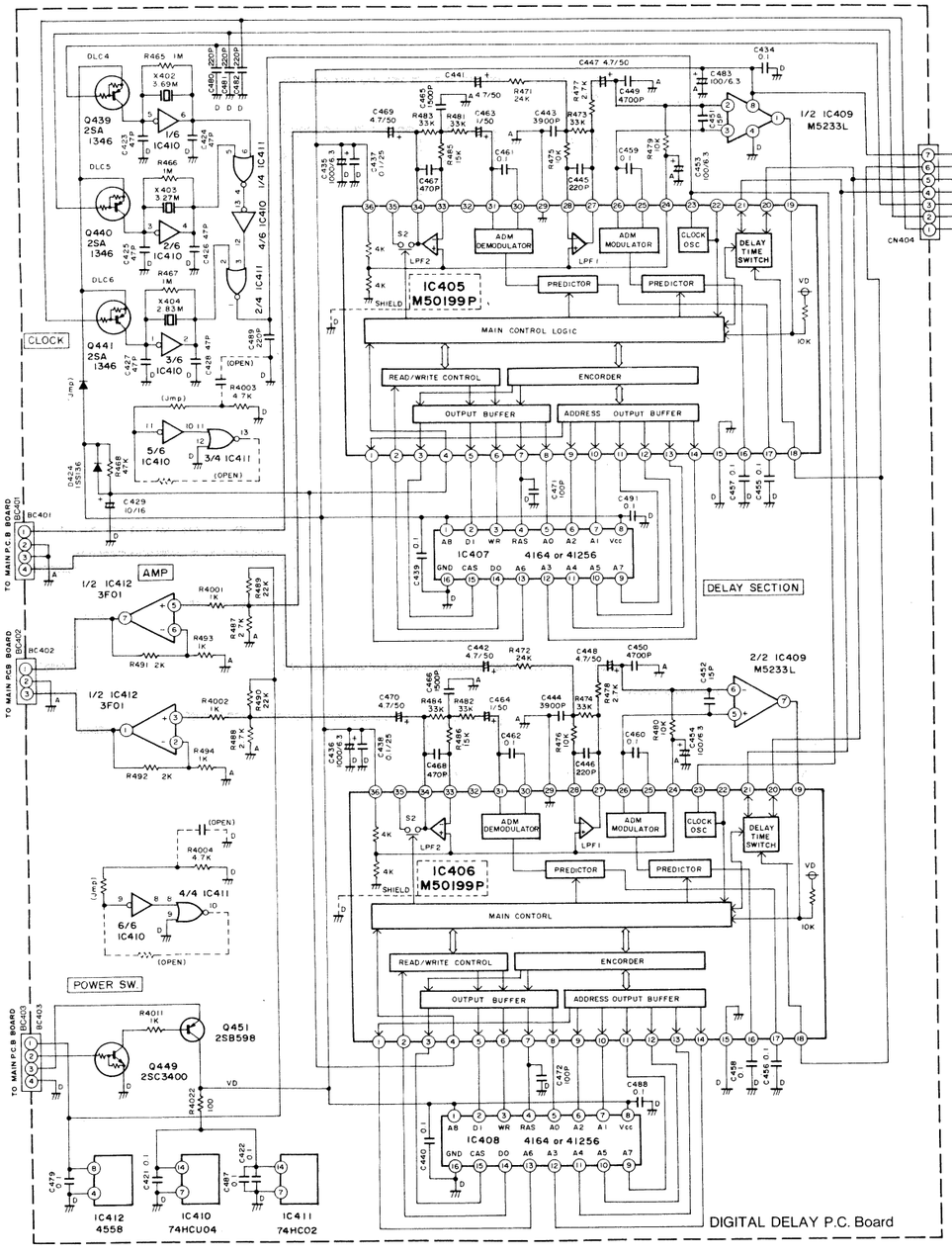


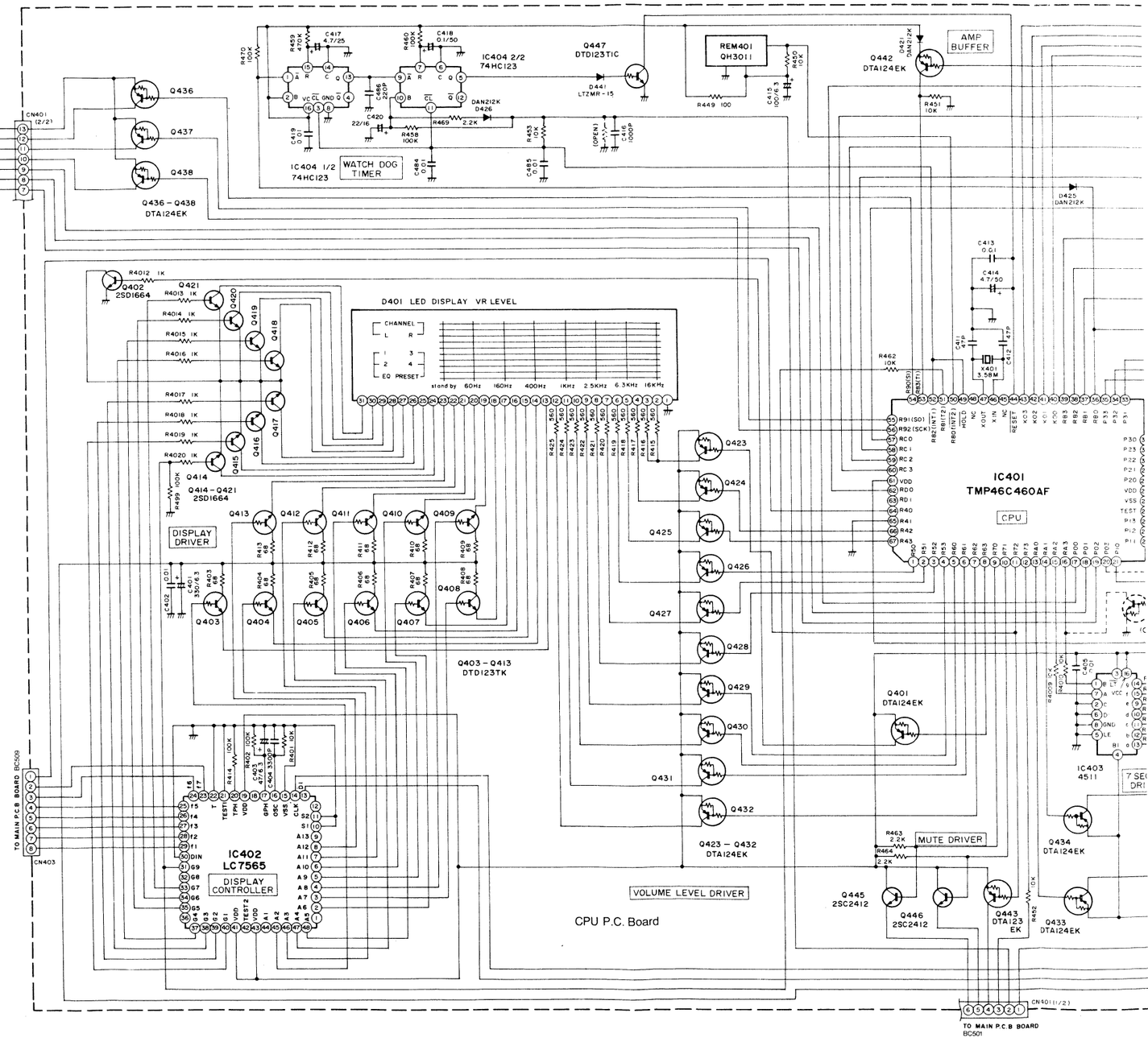
Block Diagrams

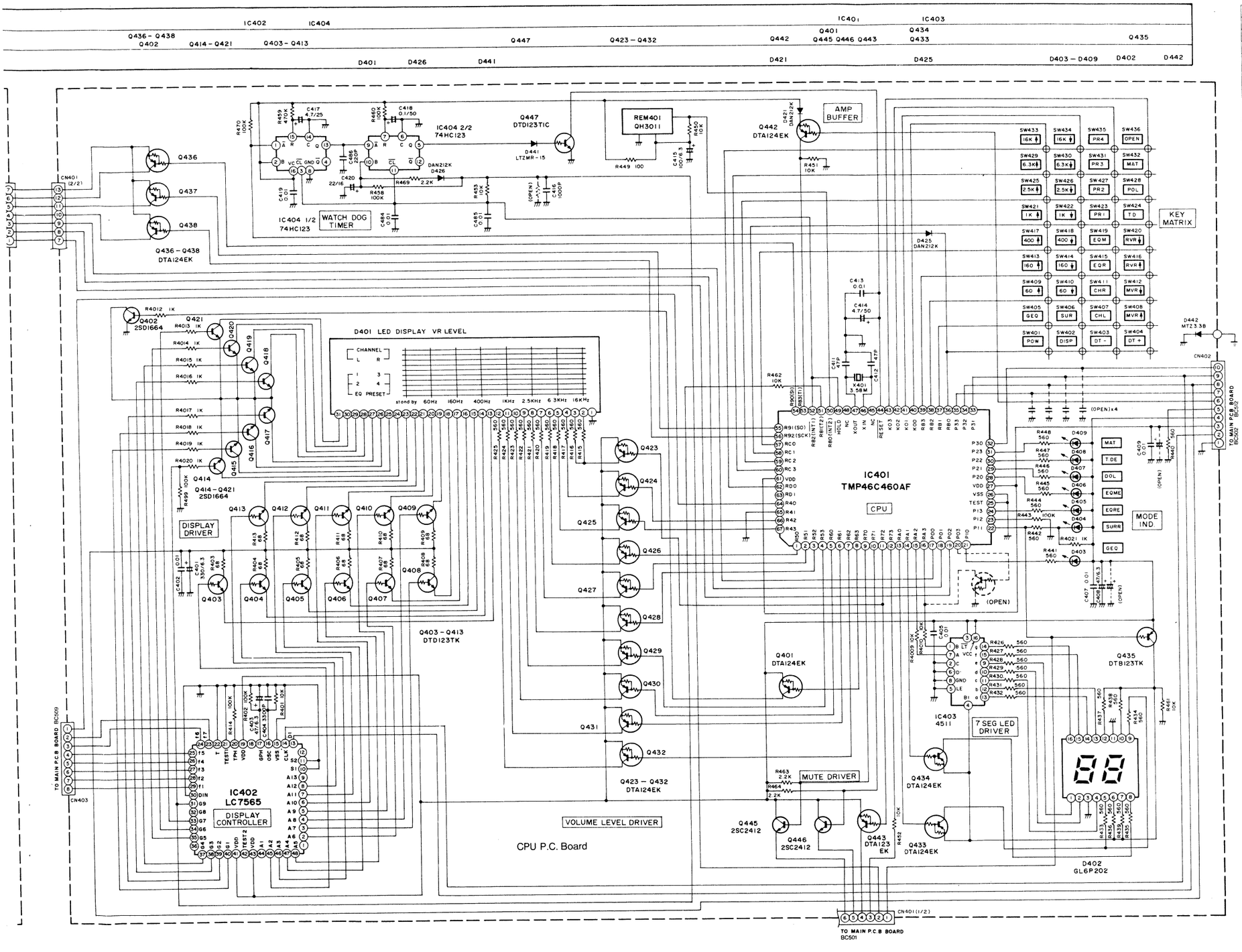


Schematic Diagrams(1/2)

ICS	IC410 IC411 IC412 IC405 IC406 IC407 IC408 IC409 IC402 IC404 IC401 IC403
TRANSISTORS	Q439 – Q441 Q449 – Q451 Q436 – Q438 Q402 Q414 – Q421 Q403 – Q413 Q447 Q423 – Q432 Q442 Q401 Q445 Q446 Q443 Q434 Q433
DIODES	D424 D401 D426 D441 D421 D425







NO.	IC401	NO.	IC401	NO.	IC401	NO.	IC401	NO.	IC401	NO.	IC401
1	0V	13	0V	25	0V	37	5.0V	49	5.0V	61	5.0V
2	0V	14	0V	26	0V	38	5.0V	50	5.0V	62	—
3	5.0V	15	0V	27	5.0V	39	5.0V	51	—	63	0V
4	5.0V	16	5.0V	28	3.0V	40	—	52	5.0V	64	—
5	5.0V	17	5.0V	29	3.0V	41	—	53	0V	65	0V
6	5.0V	18	0V	30	3.0V	42	—	54	5.0V	66	0V
7	5.0V	19	0V	31	3.0V	43	—	55	0V	67	0V
8	0V	20	0V	32	—	44	5.0V	56	5.0V		
9	5.0V	21	3.0V	33	—	45	NC	57	—		
10	5.0V	22	3.0V	34	—	46	—	58	—		
11	0V	23	0V	35	—	47	—	59	—		
12	4.7V	24	3.0V	36	5.0V	48	NC	60	—		

NO.	IC403	IC404	IC407	IC408
1	5.0V	—	—	—
2	0V	5.0V	—	—
3	5.0V	5.0V	—	—
4	0V	0V	—	—
5	0V	0V	—	—
6	0V	0V	—	—
7	0V	—	—	—
8	0V	0V	5.0V	5.0V
9	0V	5.0V	—	—
10	0V	5.0V	—	—
11	0V	5.0V	—	—
12	0V	5.0V	—	—
13	0V	5.0V	—	—
14	0V	0V	—	—
15	0V	—	—	—
16	5.0V	5.0V	0V	0V

NO.	IC405	IC406	NO.	IC405	IC406	NO.	IC405	IC406
1	—	—	13	—	—	25	2.5V	2.5V
2	—	—	14	—	—	26	2.5V	2.5V
3	—	—	15	0V	0V	27	2.5V	2.5V
4	5.0V	5.0V	16	—	—	28	2.5V	2.5V
5	—	—	17	—	—	29	0V	0V
6	—	—	18	0V	0V	30	2.5V	2.5V
7	—	—	19	—	—	31	2.5V	2.5V
8	—	—	20	5.0V	5.0V	32	NC	NC
9	—	—	21	0V	0V	33	2.5V	2.5V
10	—	—	22	—	—	34	2.5V	2.5V
11	—	—	23	—	—	35	—	—
12	—	—	24	2.5V	2.5V	36	5.0V	5.0V

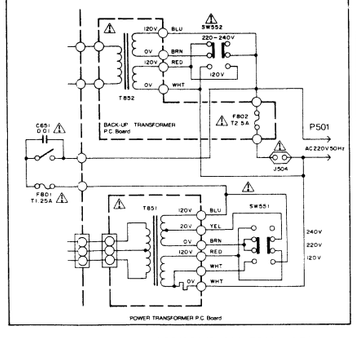
NO.	IC409	IC412
1	—	5.0V
2	2.5V	1.6V
3	2.5V	1.6V
4	0V	0V
5	5.0V	1.6V
6	2.5V	1.6V
7	2.5V	5.0V
8	5.0V	15V

NO.	IC410	IC411
1	5.0V	—
2	0V	0V
3	5.0V	—
4	0V	—
5	—	0V
6	—	—
7	0V	0V
8	5.0V	5.0V
9	0V	0V
10	5.0V	5.0V
11	0V	5.0V
12	—	0V
13	—	5.0V
14	5.0V	5.0V

NO.	IC402	NO.	IC402	NO.	IC402	NO.	IC402
1	NC	13	—	25	0V	37	—
2	—	14	—	26	0V	38	—
3	—	15	0V	27	0V	39	—
4	—	16	—	28	0V	40	—
5	—	17	—	29	0V	41	5.0V
6	—	18	NC	30	0V	42	0V
7	—	19	5.0V	31	—	43	5.0V
8	—	20	0V	32	—	44	—
9	—	21	0V	33	—	45	—
10	0V	22	0V	34	—	46	—
11	9V	23	0V	35	—	47	—
12	NC	24	0V	36	NC	48	—

REF. NO.	C	E	B	TYPE NO.
Q401	5.0V	5.0V	0V	CP., DTA124EK
Q402	—	0V	0.6V	CP., 2SD1664 QR
Q423	5.0V	5.0V	0V	CP., DTA124EK
Q424	5.0V	5.0V	0V	CP., DTA124EK
Q425	5.0V	5.0V	0V	CP., DTA124EK
Q426	5.0V	5.0V	0V	CP., DTA124EK
Q427	5.0V	5.0V	0V	CP., DTA124EK
Q428	0V	5.0V	5.0V	CP., DTA124EK
Q429	0V	5.0V	5.0V	CP., DTA124EK
Q430	0V	5.0V	5.0V	CP., DTA124EK
Q431	0V	5.0V	5.0V	CP., DTA124EK
Q432	0V	5.0V	5.0V	CP., DTA124EK
Q433	0V	0V	0V	CP., DTA124EK
Q434	0V	0V	0V	CP., DTA124EK
Q435	0V	5.0V	3.0V	CP., DTB123TK
Q436	0V	5.0V	5.0V	CP., DTA124EK
Q437	5.0V	5.0V	0V	CP., DTA124EK
Q438	0V	5.0V	5.0V	CP., DTA124EK
Q442	0V	4.4V	4.4V	CP., DTA124EK
Q443	5.0V	5.0V	0V	CP., DTA124EK
Q445	5.0V	0V	5.0V	CP., 2SC2412KLN
Q446	5.0V	0V	5.0V	CP., 2SC2412KLN
Q447	5.0V	0V	0V	CP., DTD123TK

AD MODELS ONLY



REF. NO.	C	E	B	TYPE NO.
Q439	—	5.0V	5.0V	2SA1346
Q440	55.0V	5.0V	0V	2SA1346
Q441	55.0V	5.0V	0V	2SA1346
Q449	55.0V	0V	5.0V	2SC3400
Q451	5.0V	5.0V	4.4V	2SB598 EF

Power Supply Voltage: 120/220/240V 50Hz (AD)
: 120V 60Hz (UC,UQ)
: 100V 50/60Hz (JA)

Measuring Meter: Digital Multi-Voltmeter

Measuring Point Reference: Between Ground

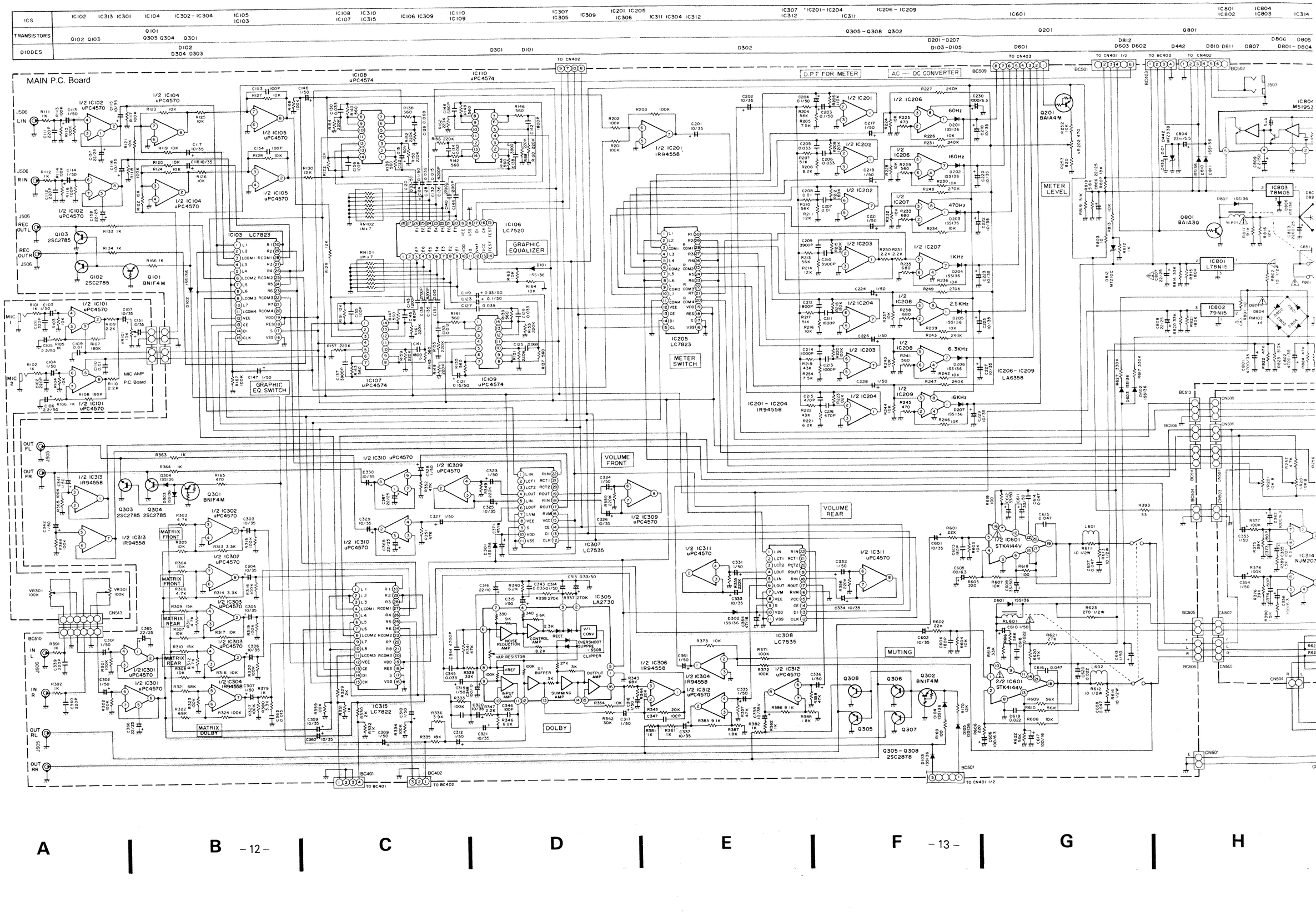
Measuring Condition: No Signal Input

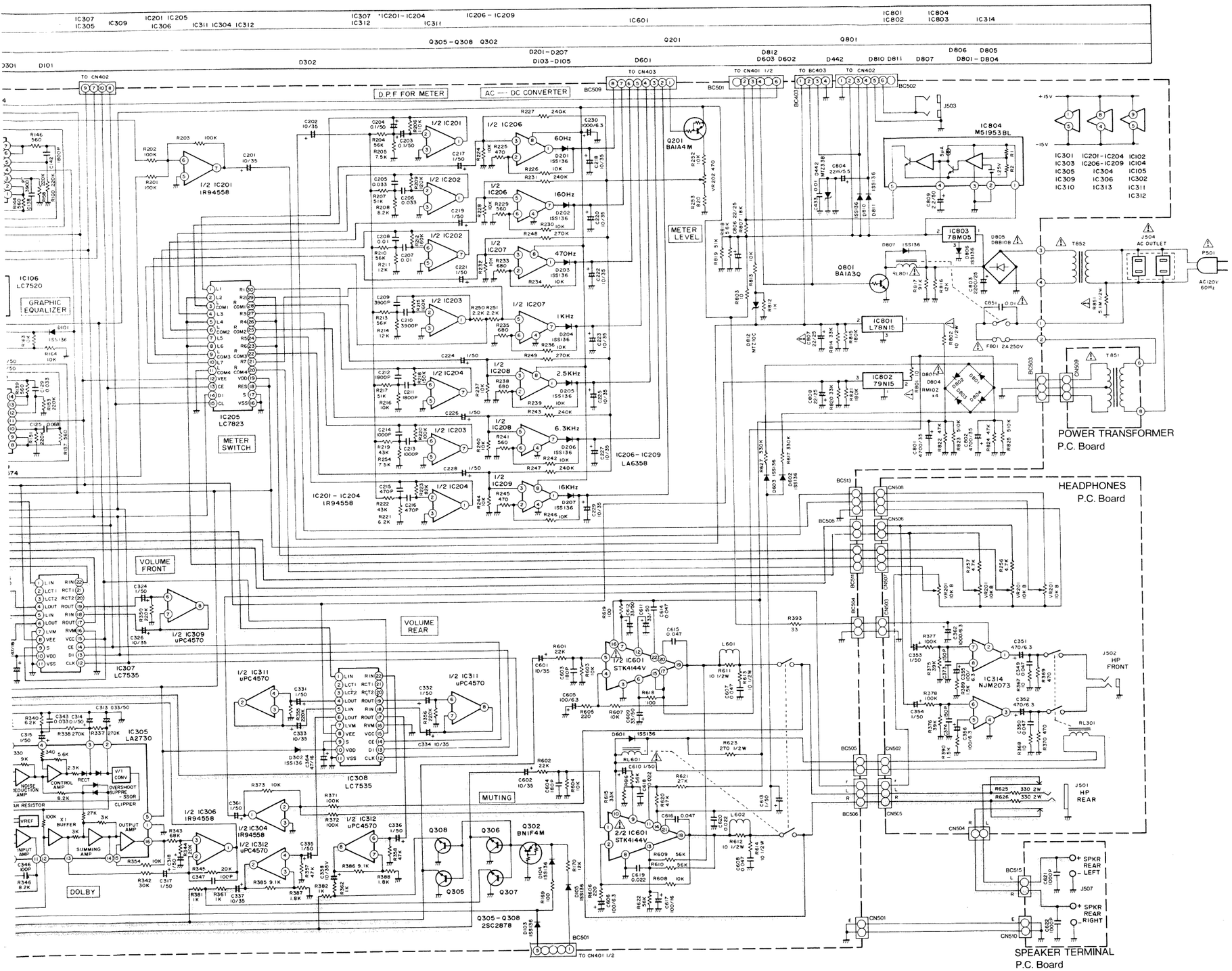
CAUTION: The ⚠ mark, the symbol numbers in the schematic diagram designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. p = 10^{-6}

D E F – 10 – G H I J – 11 – K

Schematic Diagrams(2/2)





NO.	IC101	IC102	IC104	IC105	IC301	IC302
1	+15V	+15V	+15V	+15V	+15V	+15V
2	0V	0V	0V	0V	0V	0V
3	0V	0V	0V	0V	0V	0V
4	0V	0V	0V	0V	0V	0V
5	−15V	−15V	−15V	−15V	−15V	−15V
6	0V	0V	0V	0V	0V	0V
7	0V	0V	0V	0V	0V	0V
8	0V	0V	0V	0V	0V	0V
9	+15V	+15V	+15V	+15V	+15V	+15V

NO.	IC103	IC106	IC205	IC315
1	0V	0V	0V	0V
2	0V	0V	0V	0V
3	0V	0V	0V	0V
4	0V	0V	0V	0V
5	0V	0V	0V	0V
6	0V	0V	0V	0V
7	0V	0V	0V	0V
8	0V	0V	0V	0V
9	0V	0V	0V	0V
10	0V	+14.4V	0V	0V
11	0V	+14.4V	0V	0V
12	−15V	+7.8V	−15V	−15V
13	0V	+5.6V	0V	0V
14	0V	+7.8V	0V	0V
15	0V	+14.4V	0V	0V
16	0V	0V	0V	0V
17	+15V	0V	0V	0V
18	+15V	0V	+15V	+15V
19	+15V	−15V	+15V	+15V
20	0V	0V	0V	0V
21	0V	0V	0V	0V
22	0V	0V	0V	0V
23	0V	0V	0V	0V
24	0V	0V	0V	0V
25	0V	0V	0V	0V
26	0V	0V	0V	0V
27	0V	0V	0V	0V
28	0V	0V	0V	0V
29	0V	0V	0V	0V
30	0V	0V	0V	0V

NO.	IC201	IC202	IC203	IC204	IC206	IC207
1	0V	0V	0V	0V	0.96V	0.75V
2	0V	0V	0V	0V	0.02V	0.018V
3	0V	0V	0V	0V	0.02V	0.018V
4	−15V	−15V	−15V	−15V	0V	0V
5	0V	0V	0V	0V	0.02V	0V
6	0V	0V	0V	0V	0.02V	0V
7	0V	0V	0V	0V	0.86V	0V
8	+15V	+15V	+15V	+15V	+15V	+15V

NO.	IC208	IC209	IC304	IC306	IC313	IC314
1	0.75V	0.96V	0V	5.8V	0V	2.4V
2	0.018V	0.02V	0V	5.8V	0V	5.4V
3	0.018V	0.02V	0V	5.8V	0V	2.4V
4	0V	0V	−15V	0V	−15V	0V
5	0.02V	—	0V	—	0V	0.6V
6	0.02V	—	0V	—	0V	0V
7	0.86V	—	0V	—	0V	0V
8	+15V	+15V	+15V	+15V	+15V	0.6V

NO.	IC303	IC309	IC310	IC311	IC312
1	+15V	+15V	+15V	+15V	+15V
2	0V	0V	0V	0V	0V
3	0V	0V	0V	0V	0V
4	0V	0V	0V	0V	0V
5	−15V	−15V	−15V	−15V	−15V
6	0V	0V	0V	0V	0V
7	0V	0V	0V	0V	0V
8	0V	0V	0V	0V	0V
9	+15V	+15V	+15V	+15V	+15V

NO.	IC307	IC308	IC601
1	0V	0V	0V
2	0V	0V	0V
3	0V	0V	0V
4	0V	0V	0V
5	0V	0V	0V
6	0V	0V	−29.3V
7	0V	0V	+29.6V
8	−15V	−15V	0V
9	+5.7V	+14.8V	0V
10	+14.8V	+14.8V	1.0V
11	0V	0V	2.86V
12	0V	0V	0V
13	0V	0V	0V
14	0V	0V	0V
15	+5.7V	+5.7V	−31.2V
16	0V	0V	+31.0V
17	0V	0V	−31.2V
18	0V	0V	0V
19	0V	0V	0V
20	0V	0V	0V
21	0V	0V	0V
22	0V	0V	+31.0V

NO.	IC305
1	0V
2	6V
3	6.2V
4	6.6V
5	15V
6	6.4V
7	6.4V
8	6.4V
9	6.9V
10	6.5V
11	6.5V
12	6.4V
13	6.4V
14	6.4V
15	5.9V
16	5.9V

NO.	IC107	IC108	IC109	IC110
1	0V	0V	0V	0V
2	0V	0V	0V	0V
3	0V	0V	0V	0V
4	+15V	+15V	+15V	+15V
5	0V	0V	0V	0V
6	0V	0V	0V	0V
7	0V	0V	0V	0V
8	0V	0V	0V	0V
9	0V	0V	0V	0V
10	0V	0V	0V	0V
11	−15V	−15V	−15V	−15V
12	0V	0V	0V	0V
13	0V	0V	0V	0V
14	0V	0V	0V	0V

NO.	IC801	IC802	IC803
1	+15V	−15V	5.7V
2	0V	−31.2V	0.6V
3	29.6V	0V	12.7V

NO.	IC804
1	5.6V
2	0V
3	0V
4	5.6V
5	5.6V

REF.	C	E	B	TYPE NO.
Q801	0.03V	0V	4.8V	BA1A3D

Power Supply Voltage: 120/220/240V 50Hz (AD)
: 120V 60Hz (UC,UQ)
: 100V 50/60Hz (JA)

Measuring Meter: Digital Multi-Voltmeter

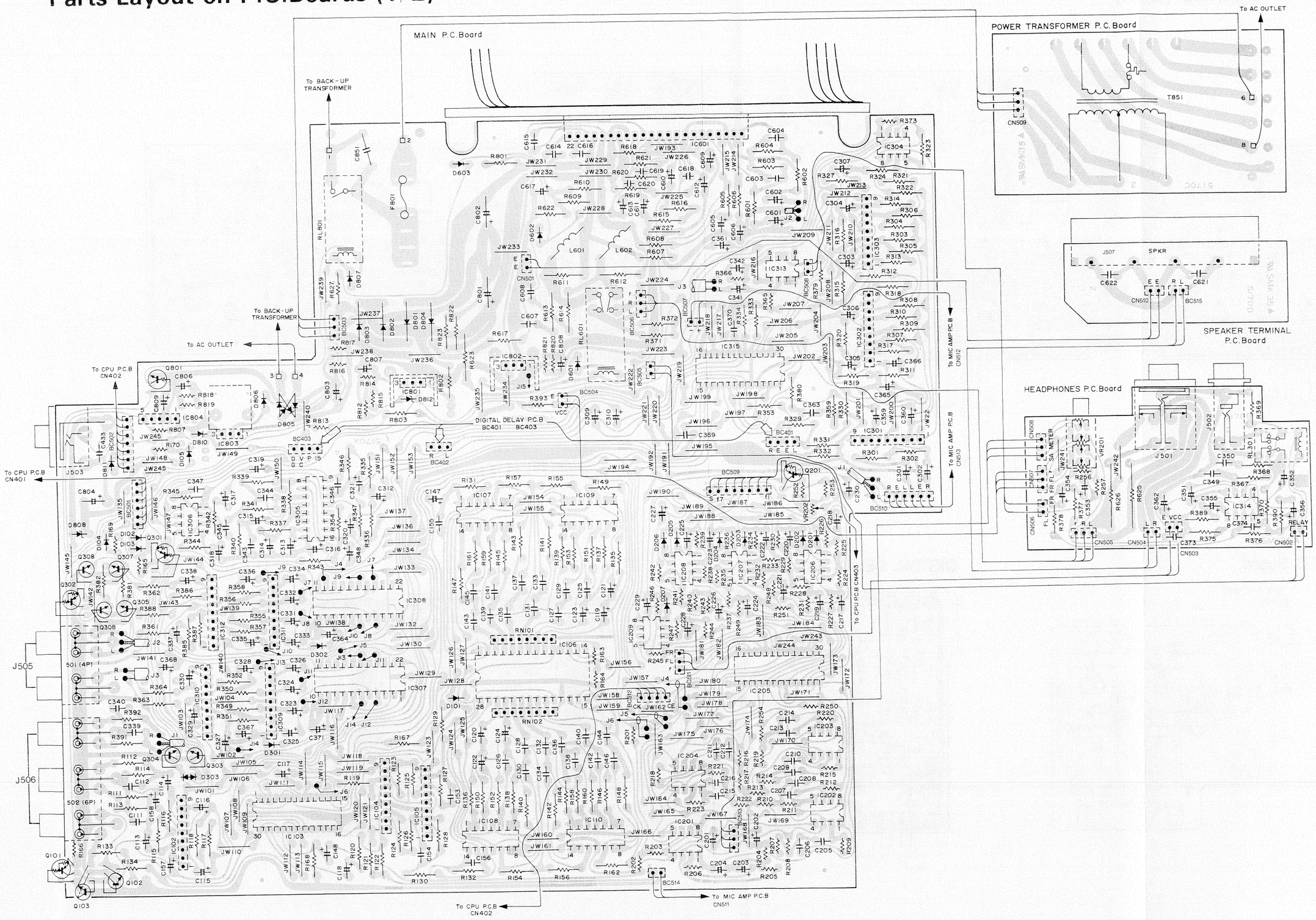
Measuring Point Reference: Between Ground

Measuring Condition: No Signal Input

CAUTION: The ⚠ mark, the symbol numbers in the schematic diagram designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

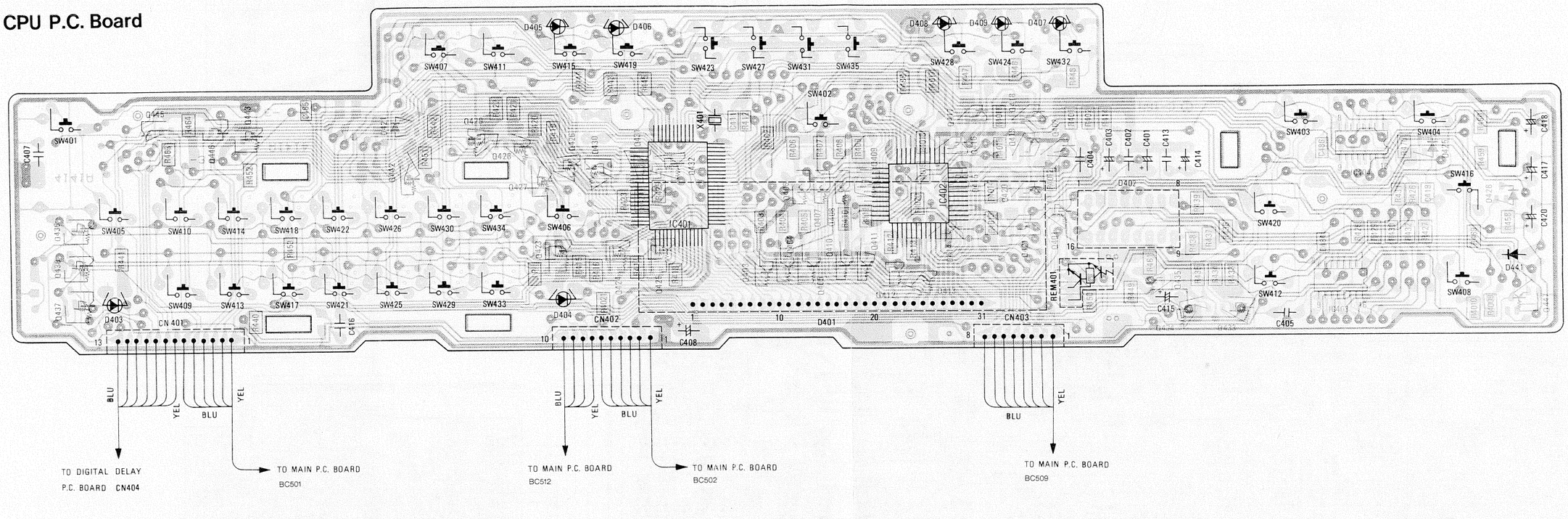
NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. p = 10^{-6}

Parts Layout on P.C.Boards (1/2)

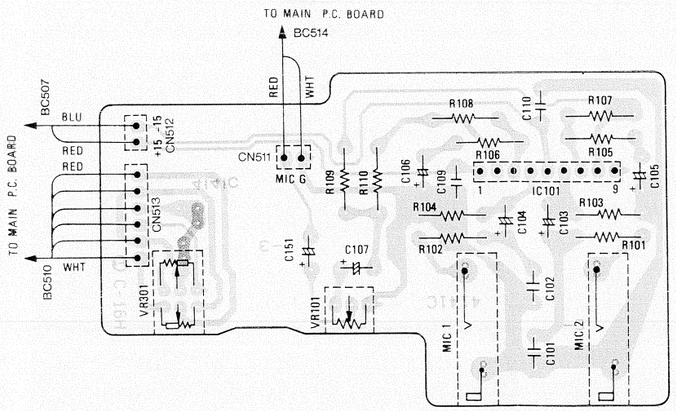


Parts Layout on P.C.Boards (2/2)

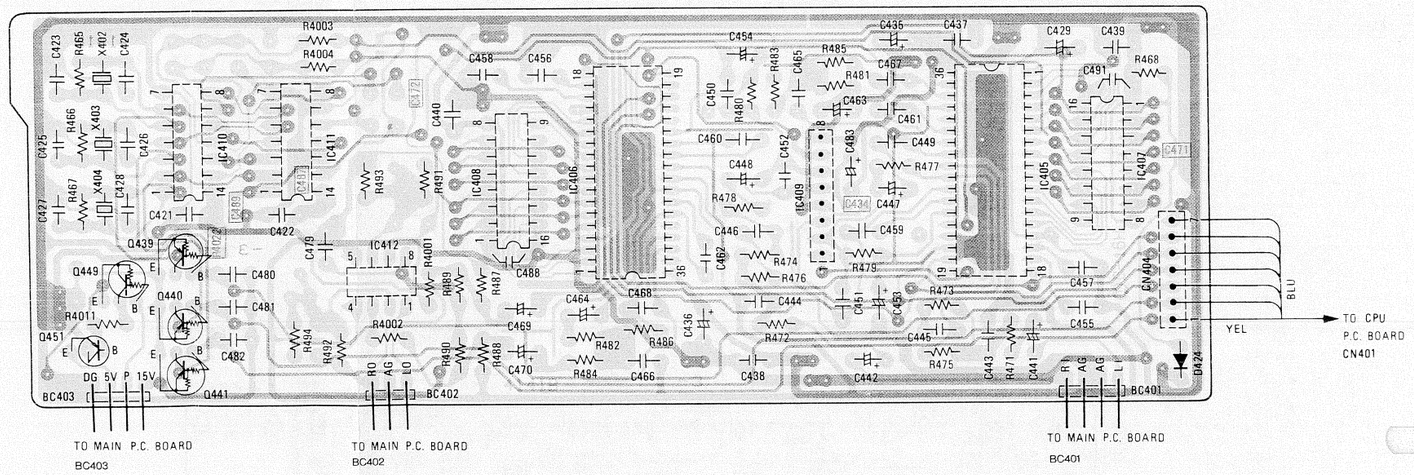
CPU P.C. Board



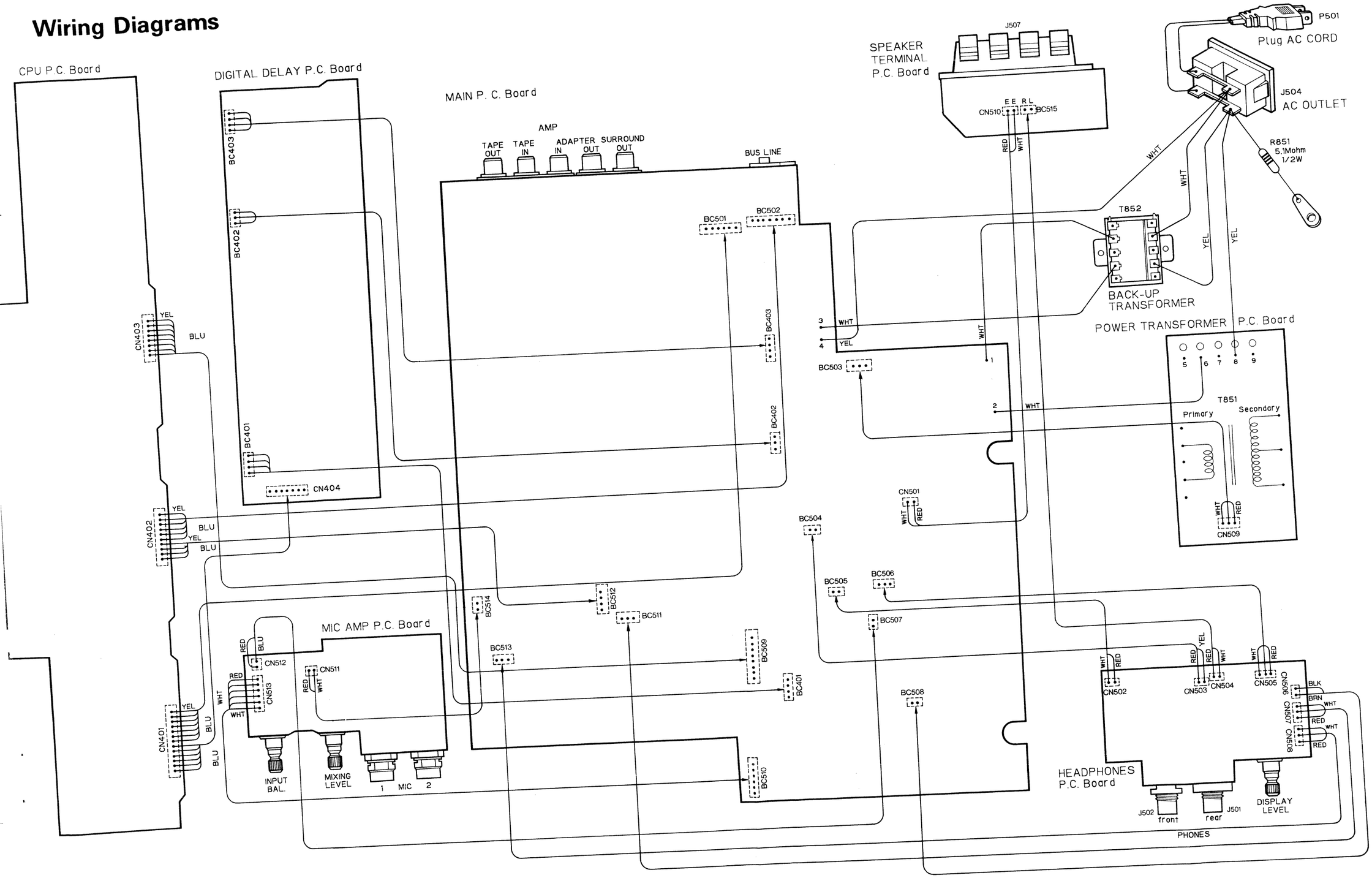
MIC AMP P.C. Board



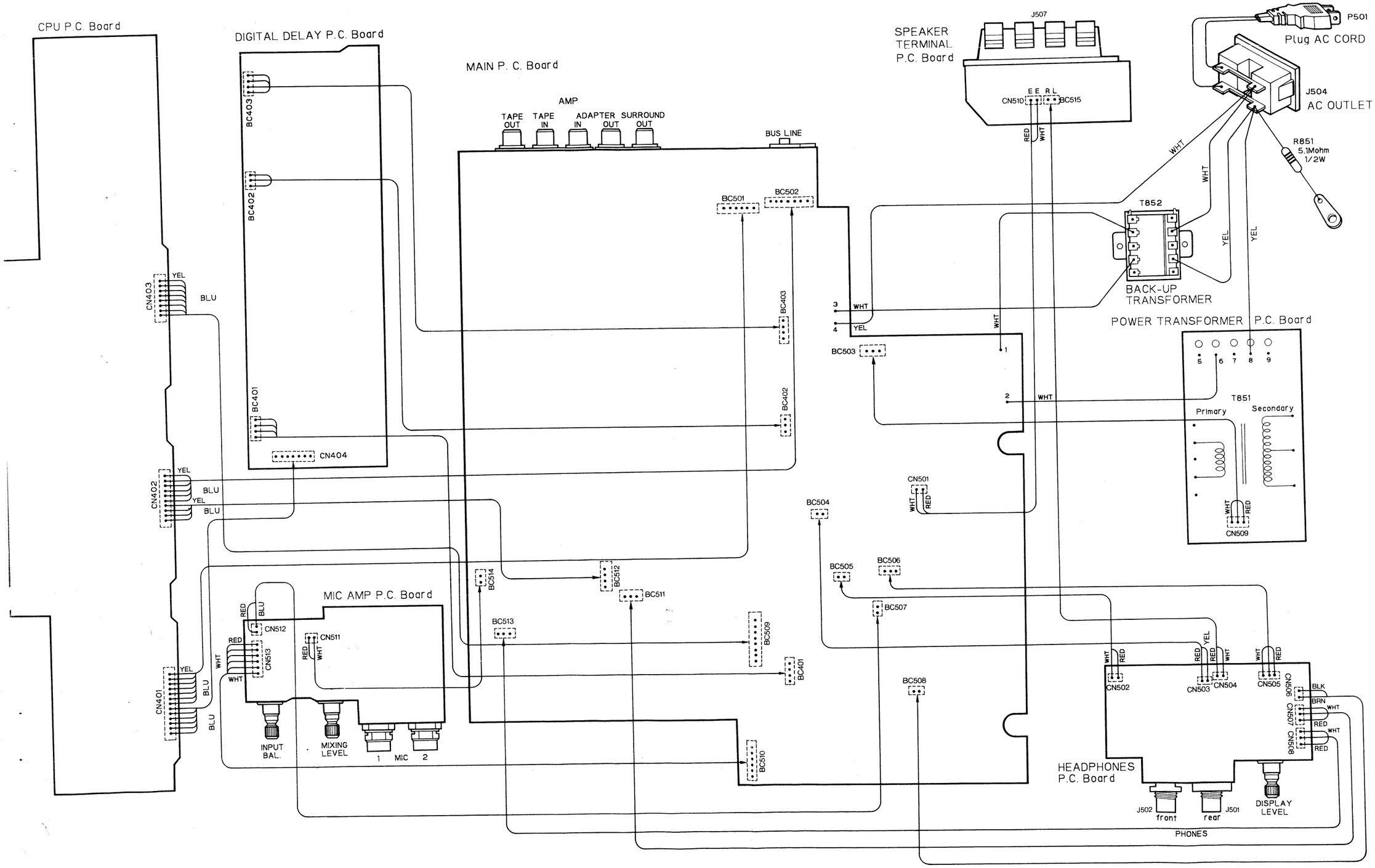
DIGITAL DELAY P.C. Board



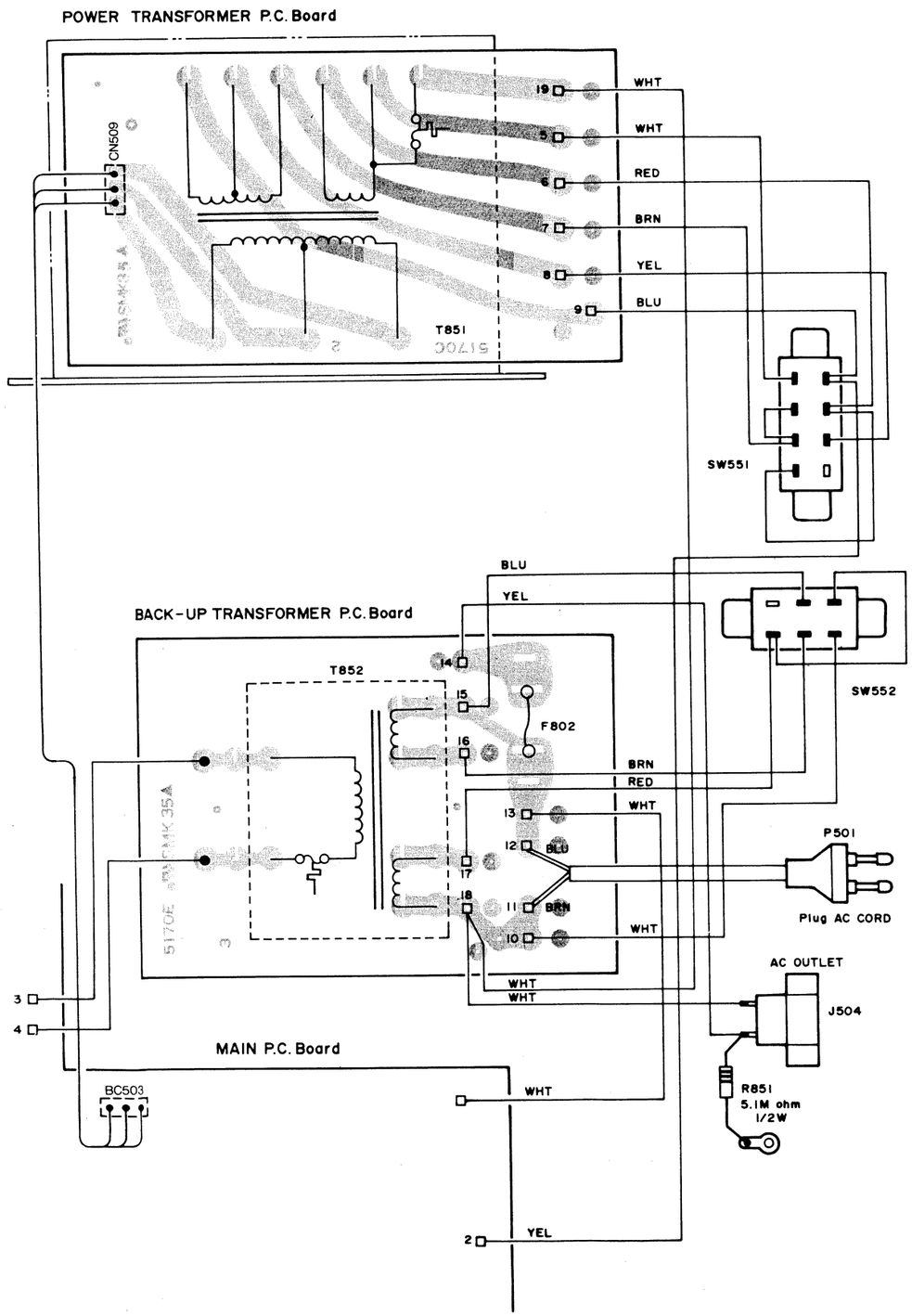
Wiring Diagrams



Wiring Diagrams



Wiring Diagrams (for AD)



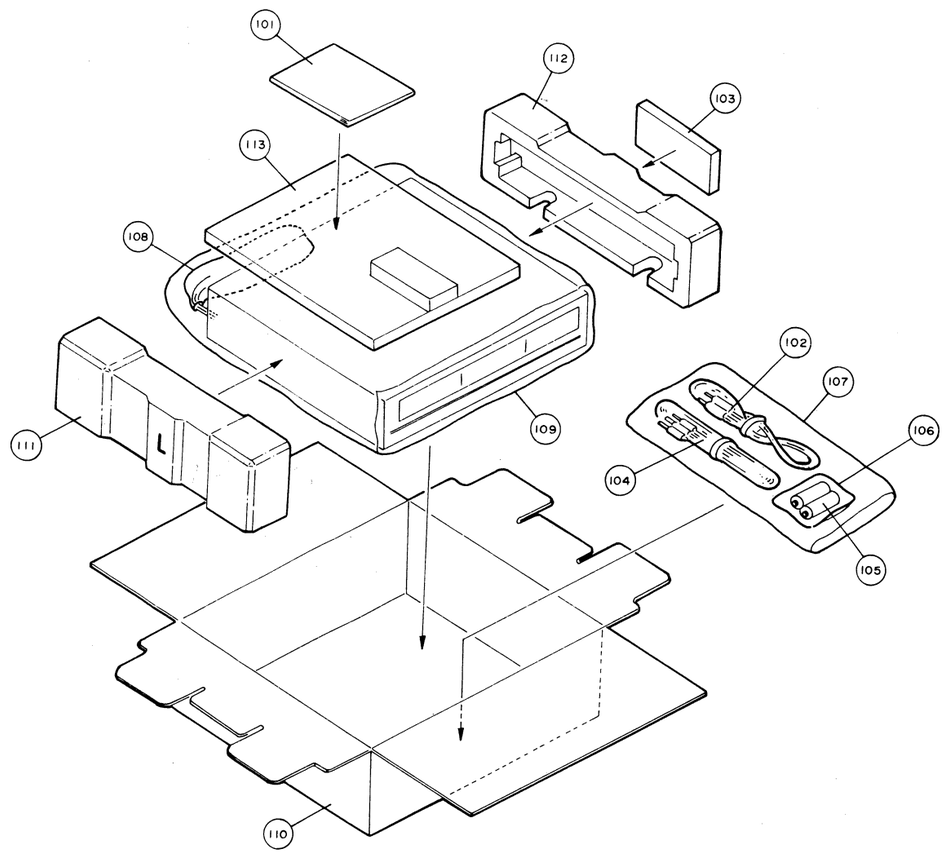
Packing Assembly Parts List

Symbol No.	Part No.	Description		
○ 101	68P96552F21	Owner's Manual		
▲ 101	68P96552F59	Owner's Manual		
■ 101	68P96552F57	Owner's Manual		
△ 101	68P96552F57	Owner's Manual		
102	28E05697S01	Cord, W Mini Plug		
○ 103	01E05676S01	Unit. Remocon		
▲ 103	01E06772S01	Unit. Remocon		
■ 103	01E06772S01	Unit. Remocon		
△ 103	01E06772S01	Unit. Remocon		
104	28E05697S01	Cord, W RCA Plug		
105	60E05698S01	Battery, SUM 3		
106	56E05699S01	Sack, Polyetylene (60×85)		

Symbol No.	Part No.	Description		
107	56E05700S01	Sack, Polyetylene (230×340)		
108	56E05701S01	Sack, Polyetylene (100×250)		
109	56E05702S01	Sack, Polyetylene (100×360×420)		
○ 110	56E05703S01	Carton, Packing		
△ 110	56E06773S01	Carton, Packing		
■ 110	56E06773S01	Carton, Packing		
△ 110	56E06773S01	Carton, Packing		
111	56E05704S01	Tray, Packing (L)		
112	56E05705S01	Tray, Packing (R)		

Note: ▲: For North American model only (UC), △: For Canadian model only (UQ),
■: For General European model only (AD), ○: For Japanese model only (JA), Others: Common

Packing Method View



Electrical Parts List

Resistors : Carbon resistors under 1/4watts are not mentioned in the parts list, please confirm them by schematic diagram.
Capacitors : μF=microfarads, PF=picofarads

Abbreviations

RES.=Resistor CAP.=Capacitor
C.F.=Carbon Film ELY.=Electrolytic
M.O.=Metal Oxide CER.=Ceramic
MYL.=Mylar TR.=Transistor
CP.=Chip TRANS.=Transformer
F.S.C.=Fail Safe Carbon
R.A.=Rasistor Array

Symbol No.	Part No.	Description		
CPU P. C. Board				
ICs				
IC401	51E05549S01	TMP47C460AF		
IC402	51T70419F0#	LC7565		
IC403	51E05550S01	CP., 4511FLT		
IC404	51E05551S01	CP., 74HC123FLT		
Transistors				
Q401	48E05558S01	CP., DTA124EK		
Q402	48E05559S01	CP., 2SD1664		
Q403	48E05560S01	CP., DTD123TK		
Q404	48E05560S01	CP., DTD123TK		
Q405	48E05560S01	CP., DTD123TK		
Q406	48E05560S01	CP., DTD123TK		
Q407	48E05560S01	CP., DTD123TK		
Q408	48E05560S01	CP., DTD123TK		
Q409	48E05560S01	CP., DTD123TK		
Q410	48E05560S01	CP., DTD123TK		
Q411	48E05560S01	CP., DTD123TK		
Q412	48E05560S01	CP., DTD123TK		
Q413	48E05560S01	CP., DTD123TK		
Q414	48E05559S01	CP., 2SD1664		
Q415	48E05559S01	CP., 2SD1664		
Q416	48E05559S01	CP., 2SD1664		
Q417	48E05559S01	CP., 2SD1664		
Q418	48E05559S01	CP., 2SD1664		
Q419	48E05559S01	CP., 2SD1664		
Q420	48E05559S01	CP., 2SD1664		
Q421	48E05559S01	CP., 2SD1664		
Q423	48E05558S01	CP., DTA124EK		
Q424	48E05558S01	CP., DTA124EK		
Q425	48E05558S01	CP., DTA124EK		
Q426	48E05558S01	CP., DTA124EK		
Q427	48E05558S01	CP., DTA124EK		
Q428	48E05558S01	CP., DTA124EK		
Q429	48E05558S01	CP., DTA124EK		
Q430	48E05558S01	CP., DTA124EK		
Q431	48E05558S01	CP., DTA124EK		
Q432	48E05558S01	CP., DTA124EK		
Q433	48E05558S01	CP., DTA124EK		
Q434	48E05558S01	CP., DTA124EK		
Q435	48E05624S01	CP., DTB123TK		
Q436	48E05558S01	CP., DTA124EK		
Q437	48E05558S01	CP., DTA124EK		
Q438	48E05558S01	CP., DTA124EK		
Q442	48E05558S01	CP., DTA124EK		
Q443	48E05558S01	CP., DTA124EK		
Q445	48E05562S01	CP., 2SC2412KLN		
Q446	48E05562S01	CP., 2SC2412KLN		
Q447	48E05558S01	CP., DTD123TK		
Diodes				
D401	48E05563S01	LEDDISPLAY		
D402	48E05564S01	LEDGL-6P202 7SEGRED		
D403	48E05565S01	LEDGL-8PR22(RED)		
D404	48E05565S01	LEDGL-8PR22(RED)		
D405	48E05566S01	LEDGL-8PR25(RED)		
D406	48E05566S01	LEDGL-8PR25(RED)		
D407	48E05566S01	LEDGL-8PR25(RED)		
D408	48E05566S01	LEDGL-8PR25(RED)		
D409	48E05566S01	LEDGL-8PR25(RED)		
D421	48E05568S01	CP.,DAN212K		

Symbol No.	Part No.	Description		
D425	48E05568S01	CP., DAN212K		
D426	48E05568S01	CP., DAN212K		
D441	48E05567S01	LED LTZ MR15(RED)		
D442	48E06734S01	MTZ3.3B		
Opt Sensor				
REM401	51E05910S01	OPTSENS, QH3011		
Seralock				
X401	91E05732S01	CSA3.58MG		
Capacitors				
C401	23E05574S01	ELY., 330μ/6.3V		
C402	21E05587S01	CER., 0.01μF		
C403	23E05575S01	ELY., 47μ/6.3V		
C404	08E05596S01	MYL., 3300PF		
C405	21E05587S01	CER., 0.01μF/16V		
C407	21E05587S01	CER., 0.01μF/16V		
C408	23E05575S01	ELY., 47μF/6.3V		
C409	21E05587S01	CER., 0.01μ/16V		
C411	21E05588S01	CP. CER., 47PF		
C412	21E05588S01	CP. CER., 47PF		
C413	21E05587S01	CER., 0.01μF/16V		
C414	23E05576S01	ELY., 4.7μF/25V		
C415	23E05577S01	ELY., 100μF/6.3V		
C416	08E05597S01	MYL., 1000PF		
C417	23E05576S01	ELY., 4.7μF/25V		
C418	23E05578S01	ELY., 0.1μF/50V		
C419	21E05587S01	CP. CER., 0.01μF/50V		
C420	23E06735S01	ELY., 22μF/6.3V		
Resistors				
R401	06E06736S01	CP., 10K ohm 1/8W		
R402	06E06737S01	CP., 100K ohm 1/8W		
R403	06E06738S01	CP., 68 ohm 1/8W		
R404	06E06738S01	CP., 68 ohm 1/8W		
R405	06E06738S01	CP., 68 ohm 1/8W		

Symbol No.	Part No.	Description		
Resistors				
R406	06E06738S01	CP., 68 ohm 1/8W		
R407	06E06738S01	CP., 68 ohm 1/8W		
R408	06E06738S01	CP., 68 ohm 1/8W		
R409	06E06738S01	CP., 68 ohm 1/8W		
R410	06E06738S01	CP., 68 ohm 1/8W		
R411	06E06738S01	CP., 68 ohm 1/8W		
R412	06E06738S01	CP., 68 ohm 1/8W		
R413	06E06738S01	CP., 68 ohm 1/8W		
R414	06E06737S01	CP., 100K ohm 1/8W		
R415	06E06739S01	CP., 560 ohm 1/8W		
R416	06E06739S01	CP., 560 ohm 1/8W		
R417	06E06739S01	CP., 560 ohm 1/8W		
R418	06E06739S01	CP., 560 ohm 1/8W		
R419	06E06739S01	CP., 560 ohm 1/8W		
R420	06E06739S01	CP., 560 ohm 1/8W		
R421	06E06739S01	CP., 560 ohm 1/8W		
R422	06E06739S01	CP., 560 ohm 1/8W		
R423	06E06739S01	CP., 560 ohm 1/8W		
R424	06E06739S01	CP., 560 ohm 1/8W		
R425	06E06739S01	CP., 560 ohm 1/8W		
R426	06E06739S01	CP., 560 ohm 1/8W		
R427	06E06739S01	CP., 560 ohm 1/8W		
R428	06E06739S01	CP., 560 ohm 1/8W		
R429	06E06739S01	CP., 560 ohm 1/8W		
R430	06E06739S01	CP., 560 ohm 1/8W		
R431	06E06739S01	CP., 560 ohm 1/8W		
R432	06E06739S01	CP., 560 ohm 1/8W		
R433	06E06739S01	CP., 560 ohm 1/8W		
R434	06E06739S01	CP., 560 ohm 1/8W		
R435	06E06739S01	CP., 560 ohm 1/8W		
R436	06E06739S01	CP., 560 ohm 1/8W		
R437	06E06739S01	CP., 560 ohm 1/8W		
R438	06E06739S01	CP., 560 ohm 1/8W		
R439	06E06739S01	CP., 560 ohm 1/8W		
R440	06E06739S01	CP., 560 ohm 1/8W		

Symbol No.	Part No.	Description		
Resistors				
R441	06E06739S01	CP., 560 ohm 1/8W		
R442	06E06739S01	CP., 560 ohm 1/8W		
R443	06E06737S01	CP., 100K ohm 1/8W		
R444	06E06739S01	CP., 560 ohm 1/8W		
R445	06E06739S01	CP., 560 ohm 1/8W		
R446	06E06739S01	CP., 560 ohm 1/8W		
R447	06E06739S01	CP., 560 ohm 1/8W		
R448	06E06739S01	CP., 560 ohm 1/8W		
R449	06E06740S01	CP., 100K ohm 1/8W		
R450	06E06736S01	CP., 10K ohm 1/8W		
R451	06E06736S01	CP., 10K ohm 1/8W		
R452	06E06736S01	CP., 10K ohm 1/8W		
R453	06E06736S01	CP., 10K ohm 1/8W		
R458	06E06737S01	CP., 100K ohm 1/8W		
R459	06E06741S01	CP., 470K ohm 1/8W		
R460	06E06737S01	CP., 100K ohm 1/8W		
R461	06E06736S01	CP., 10K ohm 1/8W		
R462	06E06736S01	CP., 10K ohm 1/8W		
R463	06E06742S01	CP., 2.2K ohm 1/8W		
R464	06E06742S01	CP., 2.2K ohm 1/8W		
R469	06E06742S01	CP., 2.2K ohm 1/8W		
R470	06E06737S01	CP., 100K ohm 1/8W		
R499	06E06737S01	CP., 100K ohm 1/8W		
R4009	06E06736S01	CP., 10K ohm 1/8W		
R4010	06E06736S01	CP., 10K ohm 1/8W		
R4012	06E06743S01	CP., 1K ohm 1/8W		
R4013	06E06743S01	CP., 1K ohm 1/8W		
R4014	06E06743S01	CP., 1K ohm 1/8W		
R4015	06E06743S01	CP., 1K ohm 1/8W		
R4016	06E06743S01	CP., 1K ohm 1/8W		
R4017	06E06743S01	CP., 1K ohm 1/8W		
R4018	06E06743S01	CP., 1K ohm 1/8W		
R4019	06E06743S01	CP., 1K ohm 1/8W		
R4020	06E06743S01	CP., 1K ohm 1/8W		
R4021	06E06743S01	CP., 1K ohm 1/8W		
R4022	06E06744S01	CP., 100K ohm 1/8W		

Symbol No.	Part No.	Description		
Switches				
SW401	40E05572S01	Tact (POWER)		
SW402	40E05572S01	Tact (DISPLAY)		
SW403	40E05572S01	Tact (DELAY TIME −)		
SW404	40E05572S01	Tact (DELAY TIME +)		
SW405	40E05572S01	Tact (GRAPHIC EQUAIZER)		
SW406	40E05572S01	Tact (DIGITAL SURROUND)		
SW407	40E05572S01	Tact (CHANNEL L)		
SW408	40E05572S01	Tact (MASTER △)		
SW409	40E05572S01	Tact (60Hz △)		
SW410	40E05572S01	Tact (60Hz ▽)		
SW411	40E05572S01	Tact (CHANNEL R)		
SW412	40E05572S01	Tact (MASTER △)		
SW413	40E05572S01	Tact (160Hz △)		
SW414	40E05572S01	Tact (160Hz ▽)		
SW415	40E05572S01	Tact (EQ REC)		
SW416	40E05572S01	Tact (REAR △)		
SW417	40E05572S01	Tact (400Hz △)		
SW418	40E05572S01	Tact (400Hz ▽)		
SW419	40E05572S01	Tact (EQ MEMORY)		
SW420	40E05572S01	Tact (REAR ▽)		
SW421	40E05572S01	Tact (1KHz △)		
SW422	40E05572S01	Tact (1KHz ▽)		
SW423	40E05573S01	Tact (EQ PRESET1)		
SW424	40E05572S01	Tact (T. DELAY)		
SW425	40E05572S01	Tact (2.5KHz △)		
SW426	40E05572S01	Tact (2.5KHz ▽)		
SW427	40E05573S01	Tact (EQ PRESET 2)		
SW428	40E05572S01	Tact (DOLBY)		
SW429	40E05572S01	Tact (6.3KHz △)		
SW430	40E05572S01	Tact (6.3KHz ▽)		
SW431	40E05573S01	Tact (EQ PRESET 3)		
SW432	40E05572S01	Tact (MATRIX)		
SW433	40E05572S01	Tact (16KHz △)		
SW434	40E05572S01	Tact (16KHz ▽)		
SW435	40E05573S01	Tact (EQ PRESET 4)		

Symbol No.	Part No.	Description		
Digital Delay Board				
ICs				
IC405	51E05552S01	M50199P		
IC406	51E05552S01	M50199P		
IC407	51E05553S01	MN4164		
IC408	51E05553S01	MN4164		
IC409	51E05554S01	M5233L		
IC410	51E05555S01	74HCU04		
IC411	51E05556S01	74HC02		
IC412	51E05557S01	IR3F01		
Transistors				
Q439	48E05569S01	BNIF4M		
Q440	48E05569S01	BNIF4M		
Q441	48E05569S01	BNIF4M		
Q449	48E05570S01	2SC3400		
Q451	48E05571S01	2SB598		
Diode				
D424	48T70933F01	ISS136		
Ceralock				
X402	91E05733S01	CSA3.69MHZ		
X403	91E05734S01	CSA3.27MHZ		
X404	91E05735S01	CSA2.83MHZ		
Capacitors				
C421	21E05589S01	CER., 0.1μF/25V		
C422	21E05589S01	CER., 0.1μF/25V		
C423	21E05588S01	CER., 47PF		
C424	21E05588S01	CER., 47PF		
C425	21E05588S01	CER., 47PF		
C426	21E05588S01	CER., 47PF		
C427	21E05588S01	CER., 47PF		
C428	21E05588S01	CER., 47PF		
C429	23E05580S01	ELY., 10μF/35V		
C434	21E05589S01	CP., CER., 0.1μF/25V		

Symbol No.	Part No.	Description		
C435	23E05581S01	ELY., 1000μF/6.3V		
C436	23E05581S01	ELY., 1000μF/6.3V		
C437	21E05589S01	CER., 0.1μF/25V		
C438	21E05589S01	CER., 0.1μF/25V		
C439	21E05589S01	CER., 0.1μF/25V		
C440	21E05589S01	CER., 0.1μF/25V		
C441	23E05582S01	ELY., 4.7μF/50V		
C442	23E05582S01	ELY., 4.7μF/50V		
C443	08E05598S01	MYL., 3900PF		
C444	08E05598S01	MYL., 3900PF		
C445	21E05590S01	CER., 220PF		
C446	21E05590S01	CER., 220PF		
C447	23E05582S01	ELY., 4.7μF/50V		
C448	23E05582S01	ELY., 4.7μF/50V		
C449	08E05599S01	MYL., 4700PF		
C450	08E05599S01	MYL., 4700PF		
C451	21E05591S01	CER., 15PF		
C452	21E05591S01	CER., 15PF		
C453	23E05577S01	ELY., 100μF/6.3V		
C454	23E05577S01	ELY., 100μF/6.3V		
C455	08E05600S01	MYL., 0.1μF/25V		
C456	08E05600S01	MYL., 0.1μF/25V		
C457	08E05600S01	MYL., 0.1μF/25V		
C458	08E05600S01	MYL., 0.1μF/25V		
C459	08E05600S01	MYL., 0.1μF/25V		
C460	08E05600S01	MYL., 0.1μF/25V		
C461	08E05600S01	MYL., 0.1μF/25V		
C462	08E05600S01	MYL., 0.1μF/25V		
C463	23E05583S01	ELY., 1μF/50V		
C464	23E05583S01	ELY., 1μF/50V		
C465	08E05601S01	MYL., 1500PF		
C466	08E05601S01	MYL., 1500PF		
C467	08E05602S01	MYL., 470PF		
C468	08E05602S01	MYL., 470PF		
C469	23E05582S01	ELY., 4.7μF/50V		
C470	23E05582S01	ELY., 4.7μF/50V		
C471	21E06745S01	CP., CER., 100PF/50V		
C472	21E06745S01	CP., CER., 100PF/50V		
C479	21E05589S01	CER., 0.1μF		
C480	21E05592S01	CER., 220PF		
C481	21E05592S01	CER., 220PF		
C482	21E05592S01	CER., 220PF		
C483	23E05577S01	ELY., 100μF/6.3V		
C484	21E06746S01	CP., CER., 0.01μF/50V		
C485	21E06746S01	CP., CER., 0.01μF/50V		

Symbol No.	Part No.	Description		
C486	21E06747S01	CP., CER., 220PF/50V		
C487	21E06748S01	CP., CER., 0.1μF/25V		
C489	21E06747S01	CP., CER., 220PF/50V		

MIC AMP P. C. Board

IC				
IC101	51T83403F03	μPC4570HA		
Capacitors				
C101	21E05592S01	CER., 220PF		
C102	21E05592S01	CER., 220PF		
C103	23E05583S01	ELY., 1μF/50V		
C104	23E05583S01	ELY., 1μ/50V		
C105	23E05584S01	ELY., 2.2μF/50V		
C106	23E05584S01	ELY., 2.2μF/50V		
C107	23E05585S01	ELY., 1μ/50V		
C109	21E05593S01	CER., 0.01μF		
C110	21E05593S01	CER., 0.01μF		
C151	23E05586S01	ELY., 1μ/35V		
Resistors				
VR101	18E05594S01	Variable, 10K ohm A		
VR301	18E05595S01	Variable, 100K ohm MN		

MAIN P. C. BOARD

ICs				
IC102	51T83403F03	μPC4570HA		
IC103	51E05606S01	LC7823		
IC104	51T83403F03	μPC4570HA		
IC105	51T83403F03	μPC4570HA		
IC106	51E05607S01	LS7520		
IC107	51E05608S01	μPC4574		
IC108	51E05608S01	μPC4574		
IC109	51E05608S01	μPC4574		
IC110	51E05608S01	μPC4574		
IC201	51E05609S01	IR94558		

Symbol No.	Part No.	Description		
IC202	51E05609S01	IR94558		
IC203	51E05609S01	IR94558		
IC204	51E05609S01	IR94558		
IC205	51E05606S01	LC7823		
IC206	51E05610S01	LA6358		
IC207	51E05610S01	LA6358		
IC208	51E05610S01	LA6358		
IC209	51E05610S01	LA6358		
IC301	51T83403F03	μPC4570HA		
IC302	51T83403F03	μPC4570HA		
IC303	51T83403F03	μPC4570HA		
IC304	51E05609S01	IR94558		
IC305	51E05611S01	LA2730		
IC306	51E05609S01	IR94558		
IC307	51E05612S01	LC7535		
IC308	51E05612S01	LC7535		
IC309	51T83403F03	μPC4570HA		
IC310	51T83403F03	μPC4570HA		
IC311	51T83403F03	μPC4570HA		
IC312	51T83403F03	μPC4570HA		
IC313	51E05609S01	IR94558		
IC315	51E05613S01	LC7822		
IC601	51E05614S01	STK4144MK5		
IC801	51E05615S01	L78N15		
IC802	51E05616S01	μPC79N15H		
IC803	51E05617S01	μPC78M05		
IC804	51T74156F01	M51953BL		
Transistors				
Q101	48E05618S01	BN1F4M		
Q102	48E06749S01	2SC2785		
Q103	48E06749S01	2SC2785		
Q301	48E05618S01	BN1F4M		
Q302	48E05618S01	BN1F4M		

Symbol No.	Part No.	Description		
Q303	48E06749S01	2SC2785		
Q304	48E06749S01	2SC2785		
Q305	48E05911S01	2SC2878		
Q306	48E05911S01	2SC2878		
Q307	48E05911S01	2SC2878		
Q308	48E05911S01	2SC2878		
Q801	48E05619S01	BA1A3Q		
Diodes				
D101	48T70933F01	1SS136		
D102	48T70933F01	1SS136		
D103	48T70933F01	1SS136		
D104	48T70933F01	1SS136		
D105	48T70933F01	1SS136		
D201	48T70933F01	1SS136		
D202	48T70933F01	1SS136		
D203	48T70933F01	1SS136		
D204	48T70933F01	1SS136		
D205	48T70933F01	1SS136		
D206	48T70933F01	1SS136		
D207	48T70933F01	1SS136		
D301	48T70933F01	1SS136		
D302	48T70933F01	1SS136		
D303	48E05620S01	DCD015		
D601	48T70933F01	1SS136		
D602	48T70933F01	1SS136		
D603	48T70933F01	1SS136		
D801	48E05262S01	RM10ZLF B2		
D802	48E05262S01	RM10ZLF B2		
D803	48E05262S01	RM10ZLF B2		
D804	48E05262S01	RM10ZLF B2		
D805	48E05263S01	DBB10B		
D806	48T70933F01	1SS136		
D807	48T70933F01	1SS136		
D808	48E06734S01	MTZ3.3B		
D810	48T70933F01	1SS136		
D811	48T70933F01	1SS136		
D812	48E05623S01	MTZ10C		

Symbol No.	Part No.	Description		
Capacitors				
C111	21E05592S01	CER., 220PF/50V		
C112	21E05592S01	CER., 220PF/50V		
C113	23E05583S01	ELY., 1μF/50V		
C114	23E05583S01	ELY., 1μF/50V		
C115	23E05580S01	ELY., 10μF/35V		
C116	23E05580S01	ELY., 10μF/35V		
C117	23E05580S01	ELY., 10μF/35V		
C118	23E05580S01	ELY., 10μF/35V		
C119	23E05629S01	ELY., 0.33μF/50V		
C120	23E05629S01	ELY., 0.33μF/50V		
C121	23E05723S01	ELY., 0.15μF/50V		
C122	23E05723S01	ELY., 0.15μF/50V		
C123	23E05630S01	ELY., 0.1μF/50V		
C124	23E05630S01	ELY., 0.1μF/50V		
C125	08E05724S01	MYL., 0.068μF		
C126	08E05724S01	MYL., 0.068μF		
C127	08E05642S01	MYL., 0.039μF		
C128	08E05642S01	MYL., 0.039μF		
C129	08E05643S01	MYL., 0.033μF		
C130	08E05643S01	MYL., 0.033μF		
C131	08E05644S01	MYL., 0.015μF		
C132	08E05644S01	MYL., 0.015μF		
C133	08E05645S01	MYL., 0.012μF		
C134	08E05645S01	MYL., 0.012μF		
C135	08E05646S01	MYL., 0.082μF		
C136	08E05646S01	MYL., 0.082μF		
C137	08E05598S01	MYL., 3900PF		
C138	08E05598S01	MYL., 3900PF		
C139	08E05725S01	MYL., 2700PF		
C140	08E05725S01	MYL., 2700PF		
C141	08E05726S01	MYL., 1800PF		
C142	08E05726S01	MYL., 1800PF		
C143	08E05727S01	MYL., 1200PF		
C144	08E05727S01	MYL., 1200PF		
C145	08E05728S01	MYL., 680PF		

Symbol No.	Part No.	Description		
C146	08E05728S01	MYL., 680PF		
C147	23E05583S01	ELY., 1μF/50V		
C148	23E05583S01	ELY., 1μF/50V		
C153	21E05649S01	CER., 100PF		
C154	21E05649S01	CER., 100PF		
C155	21E05649S01	CER., 100PF		
C156	21E05649S01	CER., 100PF		
C157	23E05626S01	ELY., 22μF/25V		
C201	23E05580S01	ELY., 10μF/35V		
C202	23E05580S01	ELY., 10μF/35V		
C203	23E05630S01	ELY., 0.1μF/50V		
C204	23E05630S01	ELY., 0.1μF/50V		
C205	08E05643S01	MYL., 0.033μF		
C206	08E05643S01	MYL., 0.033μF		
C207	08E05647S01	MYL., 0.01μF		
C208	08E05647S01	MYL., 0.01μF		
C209	08E05598S01	MYL., 3900PF		
C210	08E05598S01	MYL., 3900PF		
C211	08E05726S01	MYL., 1800PF		
C212	08E05726S01	MYL., 1800PF		
C213	08E05597S01	MYL., 1000PF		
C214	08E05597S01	MYL., 1000PF		
C215	08E05602S01	MYL., 470PF		
C216	08E05602S01	MYL., 470PF		
C217	23E05583S01	ELY., 1μF/50V		
C218	23E05580S01	ELY., 10μF/35V		
C219	23E05583S01	ELY., 1μF/50V		
C220	23E05580S01	ELY., 10μF/35V		
C221	23E05583S01	ELY., 1μF/50V		
C222	23E05580S01	ELY., 10μF/35V		
C223	23E05580S01	ELY., 10μF/35V		
C224	23E05583S01	ELY., 1μF/50V		
C225	23E05580S01	ELY., 10μF/35V		
C226	23E05583S01	ELY., 1μF/50V		
C227	23E05580S01	ELY., 10μF/35V		
C228	23E05583S01	ELY., 1μF/50V		
C229	23E05580S01	ELY., 10μF/35V		
C230	23E05625S01	ELY., 1000μF/6.3V		
C301	23E05583S01	ELY., 1μF/50V		
C302	23E05583S01	ELY., 1μF/50V		
C303	23E05580S01	ELY., 10μF/35V		
C304	23E05580S01	ELY., 10μF/35V		
C305	23E05580S01	ELY., 10μF/35V		
C306	23E05580S01	ELY., 10μF/35V		
C307	23E05583S01	ELY., 1μF/50V		

Symbol No.	Part No.	Description		
C309	23E05628S01	ELY., 1μF/50V		
C310	23E05628S01	ELY., 1μF/50V		
C312	23E05628S01	ELY., 1μF/50V		
C313	23E05629S01	ELY., 0.33μF/50V		
C314	23E05630S01	ELY., 0.1μF/50V		
C315	23E05583S01	ELY., 1μF/50V		
C316	23E05631S01	ELY., 22μF/10V		
C317	23E05583S01	ELY., 1μF/50V		
C318	23E05583S01	ELY., 1μF/50V		
C319	23E05583S01	ELY., 1μF/50V		
C320	23E05580S01	ELY., 10μF/35V		
C321	23E05580S01	ELY., 10μF/35V		
C323	23E05583S01	ELY., 1μF/50V		
C324	23E05583S01	ELY., 1μF/50V		
C325	23E05580S01	ELY., 10μF/35V		
C326	23E05580S01	ELY., 10μF/35V		
C327	23E05580S01	ELY., 10μF/35V		
C328	23E05580S01	ELY., 10μF/35V		
C329	23E05580S01	ELY., 10μF/35V		
C330	23E05580S01	ELY., 10μF/35V		
C331	23E05583S01	ELY., 1μF/50V		
C332	23E05583S01	ELY., 1μF/50V		
C333	23E05580S01	ELY., 10μF/35V		
C334	23E05580S01	ELY., 10μF/35V		
C335	23E05580S01	ELY., 10μF/35V		
C336	23E05580S01	ELY., 10μF/35V		
C337	23E05580S01	ELY., 10μF/35V		
C338	23E05580S01	ELY., 10μF/35V		
C339	21E05592S01	CER., 220PF		
C340	21E05592S01	CER., 220PF		
C341	23E05583S01	ELY., 1μF/50V		
C342	23E05583S01	ELY., 1μF/50V		
C343	08E05643S01	MYL., 0.033μF		
C344	08E05599S01	MYL., 4700PF		
C345	08E05643S01	MYL., 0.033μF		
C346	21E05649S01	CER., 100PF		
C347	21E05649S01	CER., 100PF		
C348	23E05632S01	ELY., 100μF/10V		
C357	21E05592S01	CER., 220PF		
C358	21E05592S01	CER., 220PF		

Symbol No.	Part No.	Description		
C359	23E05580S01	ELY., 10μF/35V		
C360	23E05580S01	ELY., 10μF/35V		
C361	23E05583S01	ELY., 1μF/50V		
C363	08E05644S01	MLY., 0.015μF		
C364	23E05729S01	ELY., 47μF/16V		
C365	23E05626S01	ELY., 22μF/25V		
C366	23E05626S01	ELY., 22μF/25V		
C367	23E05626S01	ELY., 22μF/25V		
C368	23E05626S01	ELY., 22μF/25V		
C371	23E05729S01	ELY., 47μF/16V		
C433	21E05593S01	CER., 0.01μF		
C601	23E05580S01	ELY., 10μF/35V		
C602	23E05580S01	ELY., 10μF/35V		
C603	21E05730S01	CER., 180PF		
C604	21E05730S01	CER., 180PF		
C605	23E05625S01	ELY., 100μF/6.3V		
C606	23E05625S01	ELY., 100μF/6.3V		
C607	08E05648S01	MYL., 0.047μF		
C608	08E05648S01	MYL., 0.047μF		
C609	23E06750S01	ELY., 33μF/35V		
C610	23E05583S01	ELY., 1μF/50V		
C611	23E06750S01	ELY., 33μF/35V		
C612	23E05583S01	ELY., 1μF/50V		
C613	23E05583S01	ELY., 1μF/50V		
C614	08E05648S01	MYL., 0.047μF		
C615	21E05650S01	CER., 0.047μF		
C616	21E05650S01	CER., 0.047μF		
C617	23E05625S01	ELY., 100μF/6.3V		
C618	21E06751S01	CER., 0.022μF/16V		
C619	21E06751S01	CER., 0.022μF/16V		
C620	21E06751S01	CER., 0.022μF/16V		
C801	23E05636S01	ELY., 4700μF/35V		
C802	23E05636S01	ELY., 4700μF/35V		
C803	23E05637S01	ELY., 2200μF/25V		
C804	23E05638S01	ELY., 22mF/5.5V		
C806	23E05639S01	ELY., 22μF/25V		
C807	23E05639S01	ELY., 22μF/25V		
C808	23E05639S01	ELY., 22μF/25V		
C809	23E05584S01	ELY., 2.2μF50V		
C851	21E05651S01	CER., 0.01μF/125V		

Symbol No.	Part No.	Description		
Resistors				
R611	06E05652S01	F.S.C. 10 ohm 1/2W		
R612	06E05652S01	F.S.C. 10 ohm 1/2W		
R613	06E05652S01	F.S.C. 10 ohm 1/2W		
R614	06E05652S01	F.S.C. 10 ohm 1/2W		
R618	06E05653S01	F.S.C. 100 ohm 1/4W		
R619	06E05653S01	F.S.C. 100 ohm 1/4W		
R623	06E05654S01	F.S.C. 270 ohm 1/2W		
R801	06E05655S01	F.S.C. 10 ohm 1/4W		
R802	06E05652S01	F.S.C. 10 ohm 1/2W		
R803	06E05655S01	F.S.C. 10 ohm 1/4W		
R851	06E06752S01	C. RES. 5.1Mohm 1/2W		
RN101	06E05731S01	R.A. 1 Mohm×7 1/8W		
RN102	06E05731S01	R.A. 1 Mohm×7 1/8W		
VR202	18E06753S01	Variable, 470 ohm		
Coils				
L601	24E05660S01	Choke Coil		
L602	24E05660S01	Choke Coil		
Relays				
	RL601	80E05657S01	G5R-2232P (24V)	
○	RL801	80E05658S01	G2R-117P (12V)	
△	RL801	80E05658S01	G2R-117P (12V)	
▲	RL801	80E05658S01	G2R-117P (12V)	
■	RL801	80E06754S01	G2R-117P (12V)	

Note: ▲: For North American model only (UC), △: For Canadian model only (UQ),
■: For General European model only (AD), ○: For Japanese model only (JA), Others: Common

Symbol No.	Part No.	Description		
HEADPHONE P. C. Board				
IC				
IC314	51E05661S01	NJM2073D		
Capacitors				
C349	21E05650S01	CER., 0.047μF		
C350	21E05650S01	CER., 0.047μF		
C351	23E05640S01	ELY., 470μF/6.3V		
C352	23E05640S01	ELY., 470μF/6.3V		
C353	23E05583S01	ELY., 1μF/50V		
C354	23E05583S01	ELY., 1μF/50V		
C355	23E05625S01	ELY., 100μF/6.3V		
C356	23E05625S01	ELY., 100μF/6.3V		
C362	23E06755S01	ELY., 1000μF/6.3V		
C373	21E06799S01	CER., 150PF		
C374	21E06800S01	CER., 150PF		
Resistors				
R625	06E05656S01	M.O. 330 ohm 2W		
R626	06E05656S01	M.O. 330 ohm 2W		
VR201	18E05662S01	Variable, 10k ohm Bx4		
Relay				
RL301	80E05659S01	G5A-237P (24V)		

Symbol No.	Part No.	Description		
Miscelaneous				
	MIC1	09E05739S01	Jack, Mic	
	MIC2	09E05739S01	Jack, Mic	
	J501	09E05741S01	Jack, Headphone, Rear	
	J502	09E05742S01	Jack, Headphone, Front	
	J503	09E05740S01	Jack, Mini, for AMB	
	J505	09E05743S01	Jack, RCA, 4P	
	J506	09E05744S01	Jack, RCA, 6P	
○	F801	65E05663S01	Fuse, 2.5A 125V	
▲	F801	65E06758S01	Fuse, 2.5A 125V	
■	F801	65E06759S01	Fuse, 1.25A 250V	
■	F802	65E06760S01	Fuse, 2.5A	
	J507	29E05736S01	Terminal, Speaker	
■	SW551	40E06761S01	Switch, Voltage Select Main	
■	SW552	40E06762S01	Switch, Voltage Select Back up	
○	T851	25E05686S01	Power Trans former	
△	T851	25E06764S01	Power Trans former	
▲	T851	25E06764S01	Power Trans former	
■	T851	25E06765S01	Power Trans former	
○	T852	25E05687S01	Back-up Power Trans	
△	T852	25E06766S01	Back-up Power Trans	
▲	T852	25E06766S01	Back-up Power Trans	
■	T852	25E06767S01	Back-up Power Trans	
○	J504	09E06987S01	AC Outlet	
△	J504	09E06987S01	AC Outlet	
▲	J504	09E06987S01	AC Outlet	
■	J504	09E06988S01	AC Outlet	
○	P501	28E05695S01	Cord, AC	
■	P501	28E06771S01	Cord, AC	
△	P501	28E07446S01	Cord, AC	
▲	P501	28E07446S01	Cord, AC	

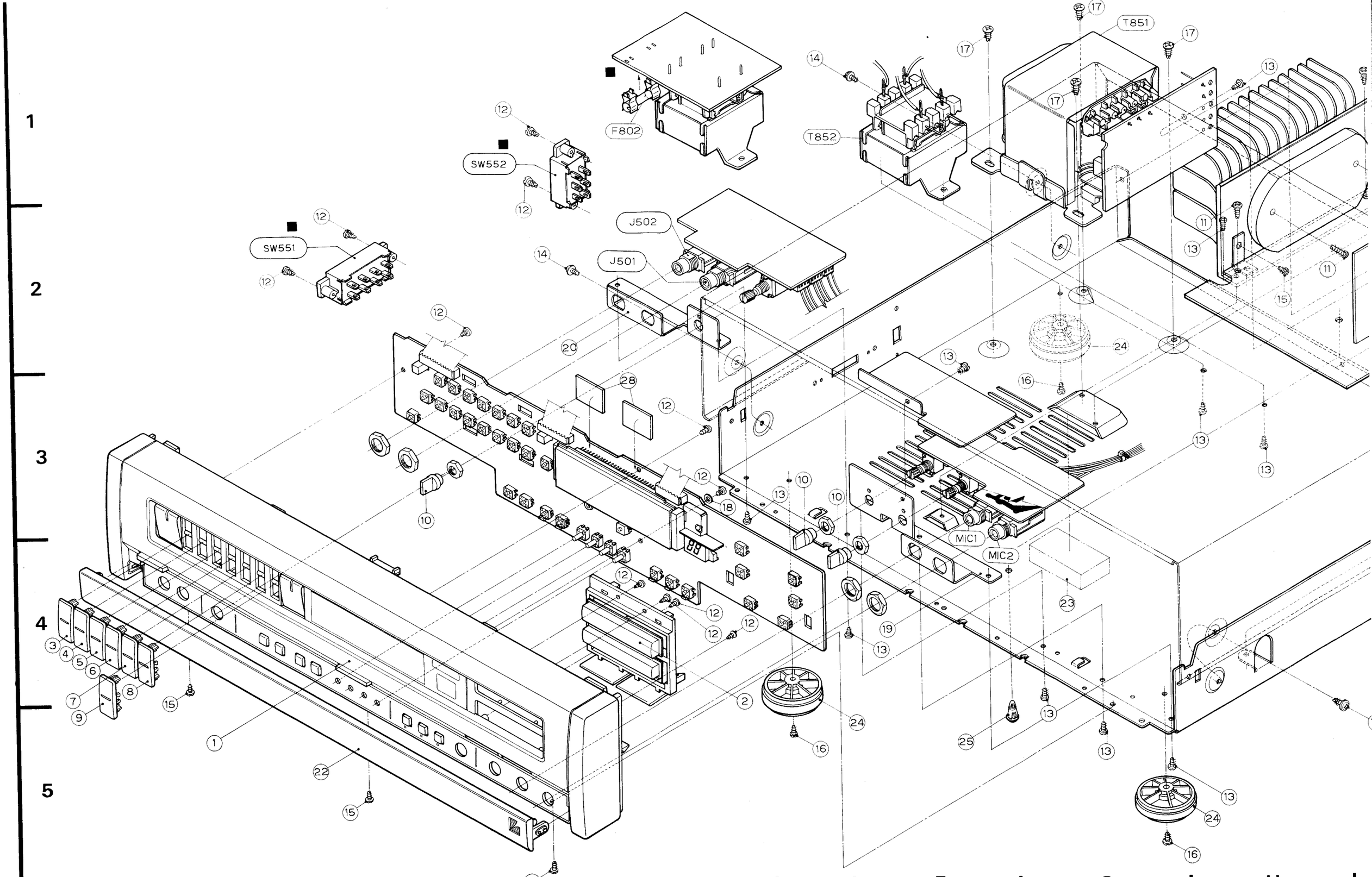
Note: ▲: For North American model only (UC), △: For Canadian model only (UQ),
■: For General European model only (AD), ○: For Japanese model only (JA), Others: Common

Cabinet Assembly Parts List

Symbol No.		Part No.	Description		
○	1	01E05675S01	Assy, Front Panel (Includes 2-3)		
▲	1	01E06763S01	Assy, Front Panel (Includes 2-3)		
■	1	01E06763S01	Assy, Front Panel (Includes 2-3)		
△	1	01E06763S01	Assy, Front Panel (Includes 2-3)		
	2	36E05677S01	Button, MASTER		
	3	36E05678S01	Button, EQ 60 Hz		
	4	36E05679S01	Button, EQ 160 Hz		
	5	36E05680S01	Button, EQ 400 Hz		
	6	36E05681S01	Button, EQ 1k Hz		
	7	36E05682S01	Button, EQ 2.5k Hz		
	8	36E05683S01	Button, EQ 6.3k Hz		
	9	36E05684S01	Button, EQ 16k Hz		
	10	36E05685S01	Knob, Dia=10 mm		
	11	03E05664S01	Screw, Pan Tite B (M3×6)		
	12	03E05668S01	Screw, Pan Plux (M2.6×8)		
	13	03E05669S01	Screw, Bind (M3×8)		
	14	03E05670S01	Screw, Bind W/WS (M3×8)		
	15	03E05671S01	Screw, Bind (M3×6)		
	16	03E05672S01	Screw, Bind (M4×8)		
	17	03E05673S01	Screw, Bind T/C (M4×6)		
	18	04E05688S01	Washer, Nylon 2.7×4.8×0.25		
	21	15E05691S01	Cover, Top		
	22	64E05692S01	Flap, Panel (Mold)		
	23	75E05694S01	Cushion, 20×40×10		
	24	75E05748S01	Foot		
	25	43E05749S01	Spacer, PCB		

Symbol No.		Part No.	Description		
○	26	01E05737S01	Panel, Rear		
▲	26	01E06768S01	Panel, Rear		
△	26	01E06769S01	Panel, Rear		
■	26	01E06770S01	Panel, Rear		
	27	75E05750S01	Cord Stopper		
	28	75E06801S01	Cushion, LED		
	29	42E06756S01	Fuse Clip		
■	29	42E06757S01	Fuse Clip		
	31	03E05665S01	Screw, Pan Tite (M3×10)		
	32	03E05666S01	Screw, Pan Tite (M3×12)		
	33	03E05667S01	Screw, Pan Tite (M3×15)		
○	34	02E05674S01	Nut, HEX M3		

Note: ▲: For North American model only (UC), △: For Canadian model only (UQ),
■: For General European model only (AD), ○: For Japanese model only (JA), Others: Common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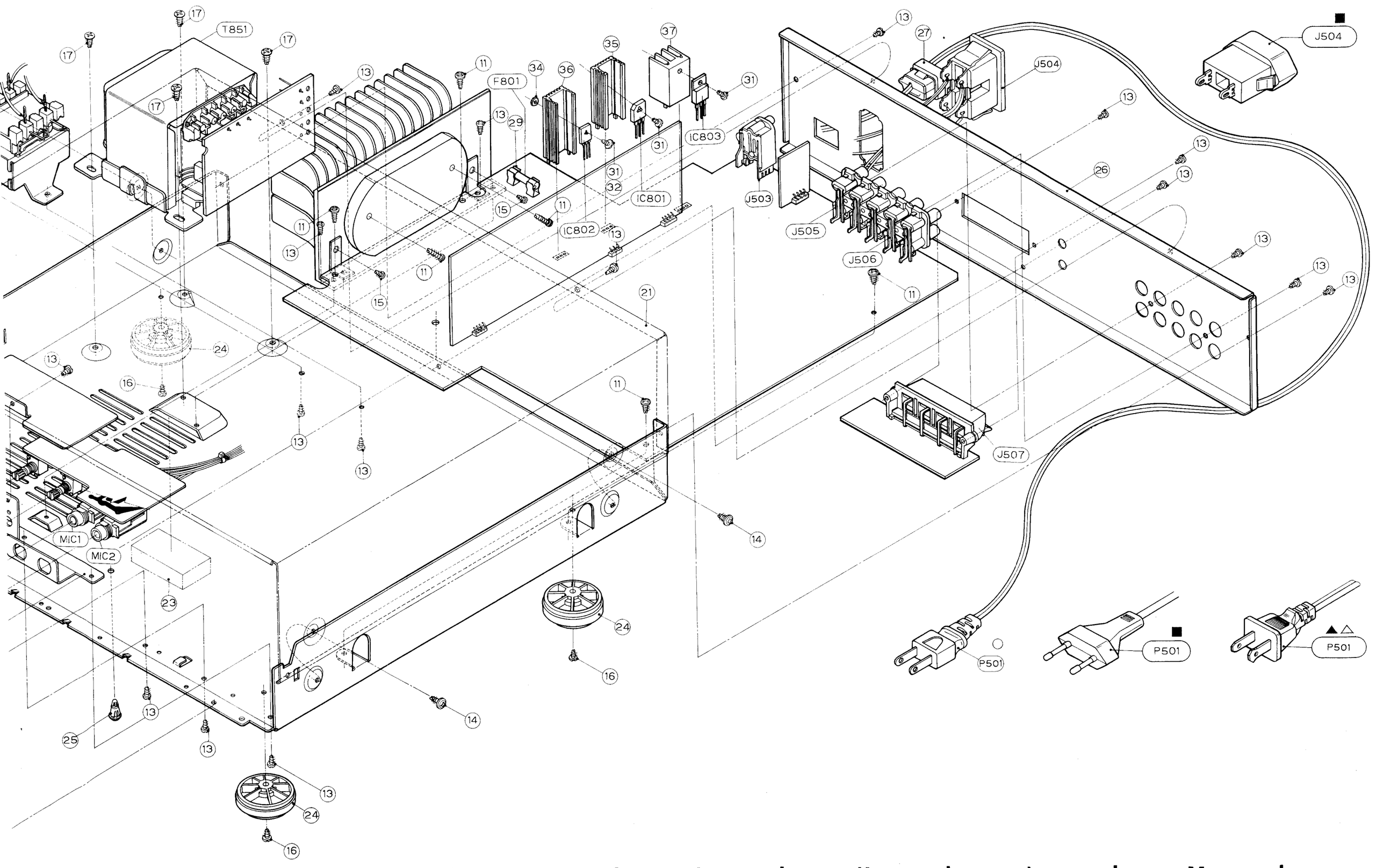
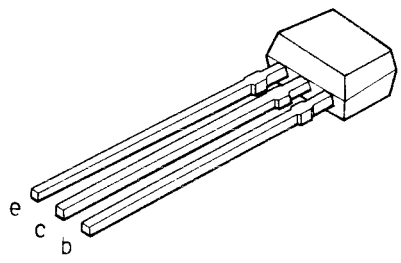
T852
T851
J502
J501
MIC1
MIC2

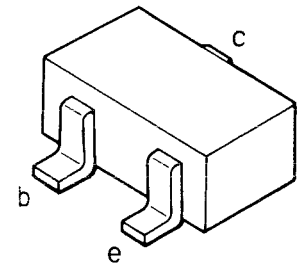

T851
F801
IC801
IC802
IC803
J503
J504
J505
J506
J507
MIC1
MIC2
P501
P501
P501

Semiconductor Lead Identifications

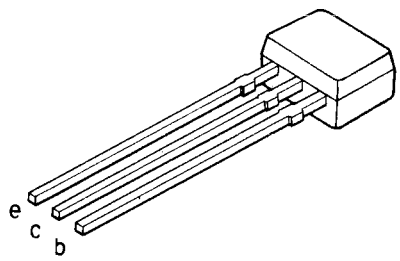
BN1F4M: Q101, Q301, Q302, Q439, Q440, Q441



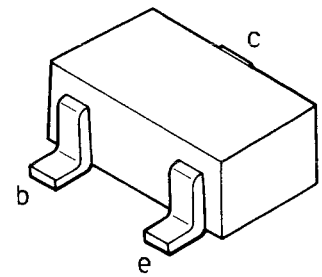
DTA124EK: Q401, Q423~Q434, Q436~Q438, Q442~Q443
DTB123TK: Q435
DTD123TK: Q403~Q413, Q447



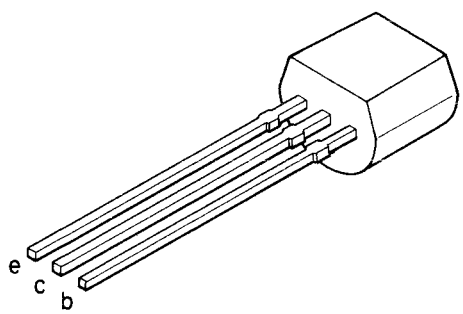
BA1A3Q : Q801
2SC2785 : Q102, Q103, Q303, Q304



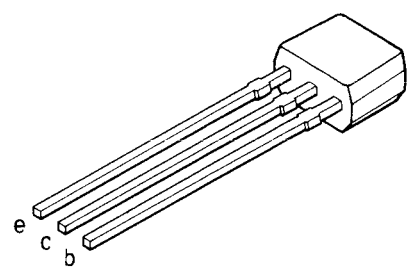
2SC2412KLN: Q445, Q446



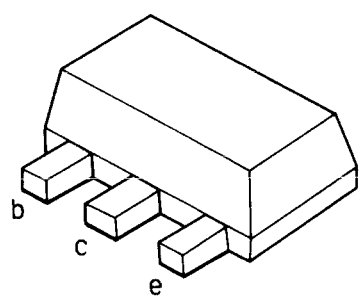
2SC2878: Q305~Q308
2SB598 : Q451



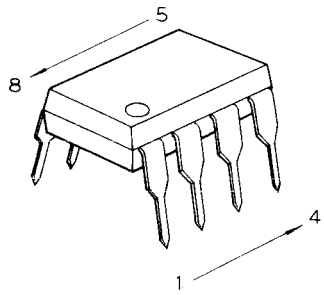
2SC3400: Q449

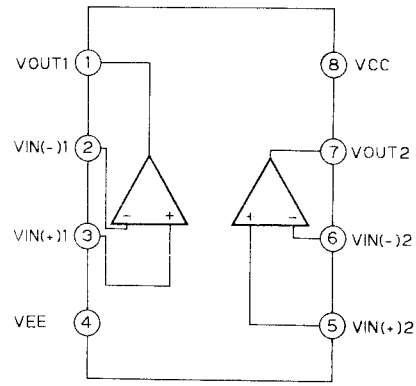


2SD1664: Q402, Q414~Q421

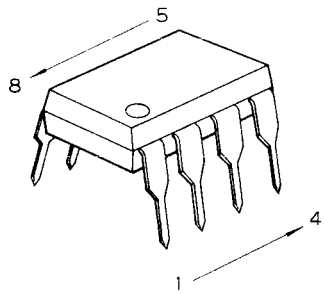


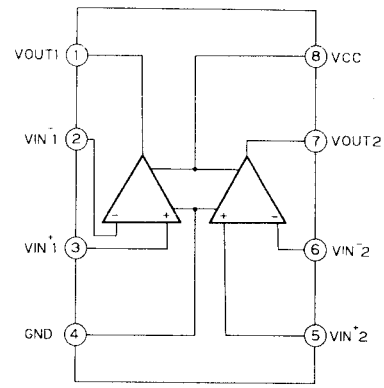
IR94558: IC201~IC204
IC304, IC306, IC313



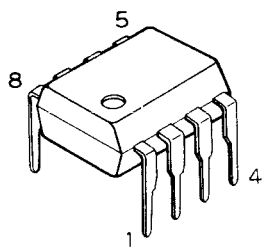


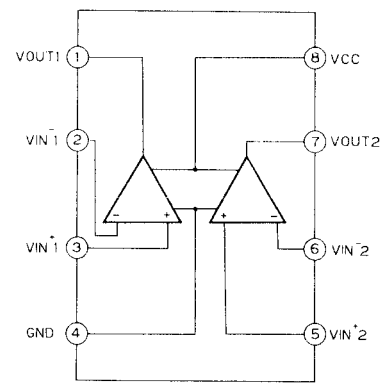
LA6358: IC206~IC209



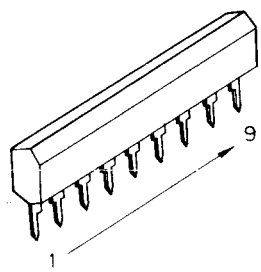


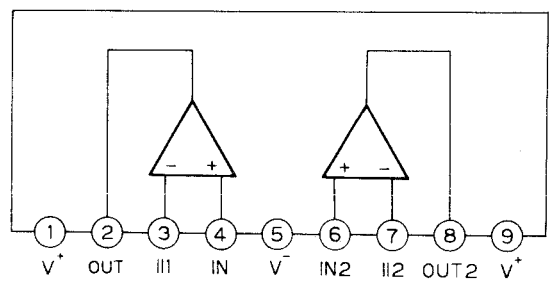
IR3F01: IC412



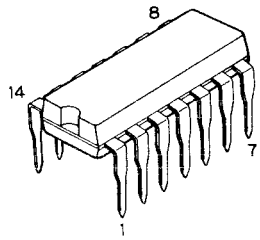


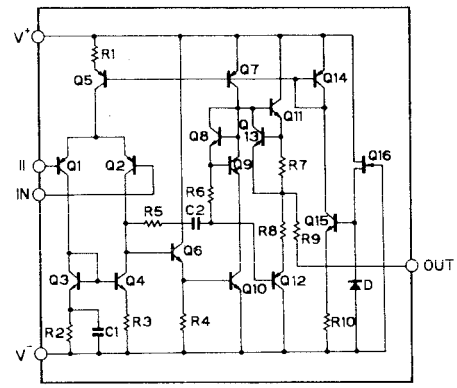
μPC4570HA: IC101, IC102, IC104, IC105,
IC301~IC303, IC309~IC312



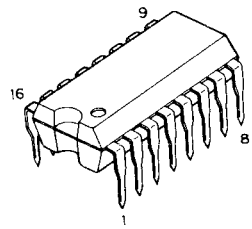


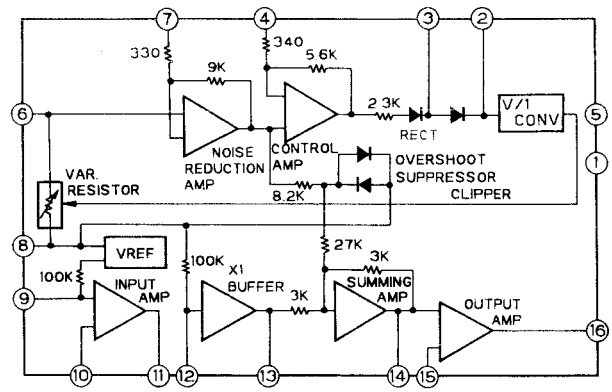
μPC4574: IC107~IC110



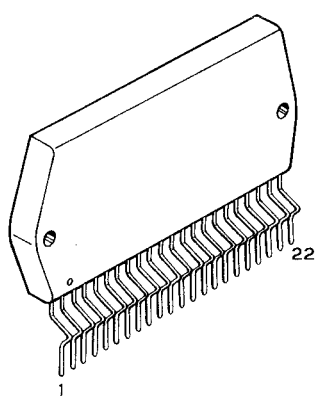


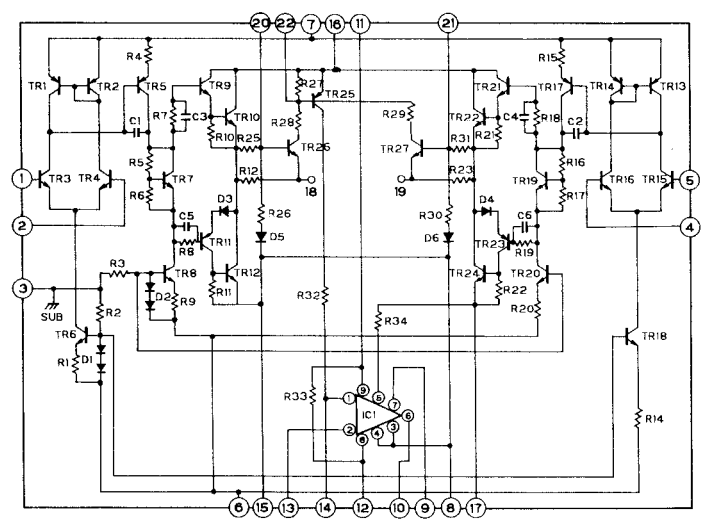
LA2730: IC305



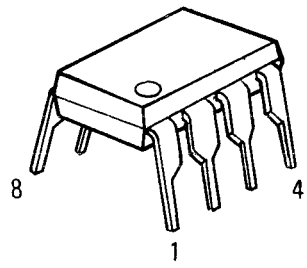


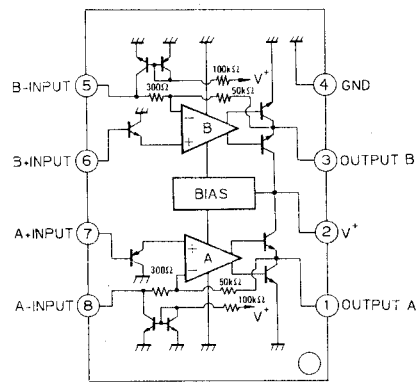
STK4144MK5: IC601



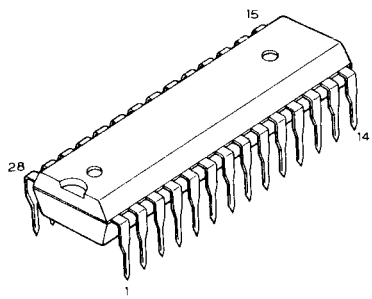


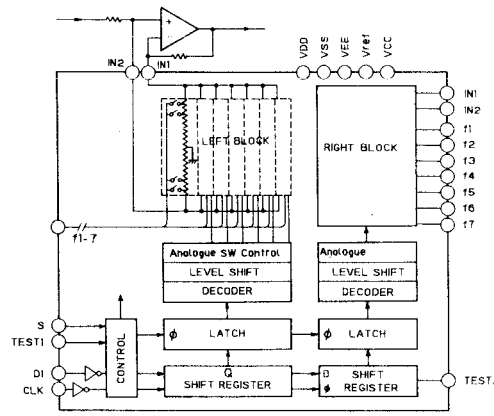
NJM2073D: IC314



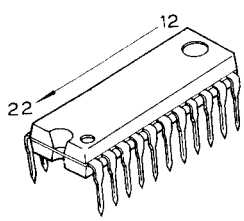


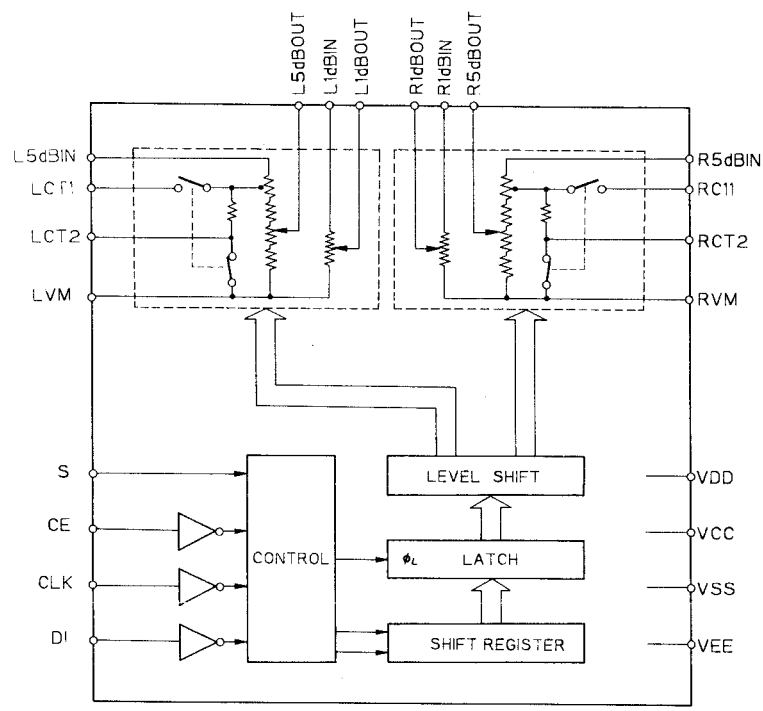
LC7520: IC106



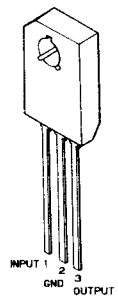


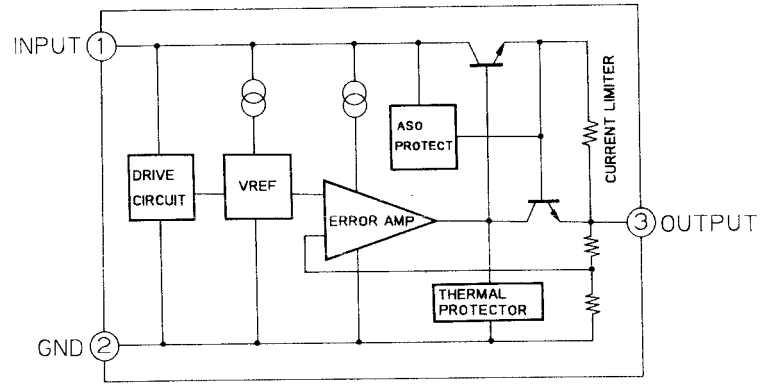
LC7535: IC307, IC308



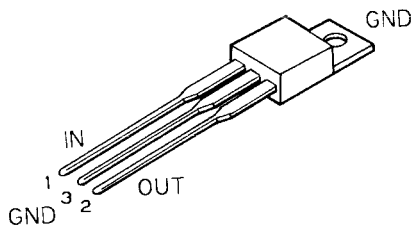


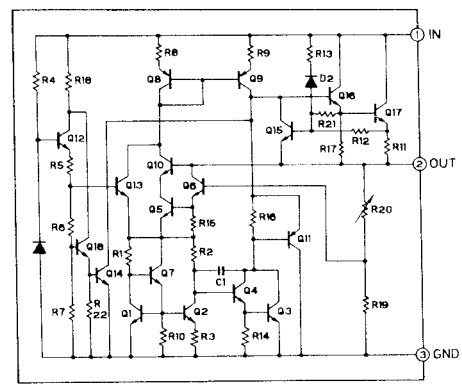
L78N15: IC801



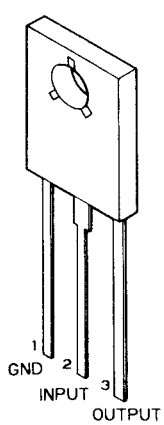


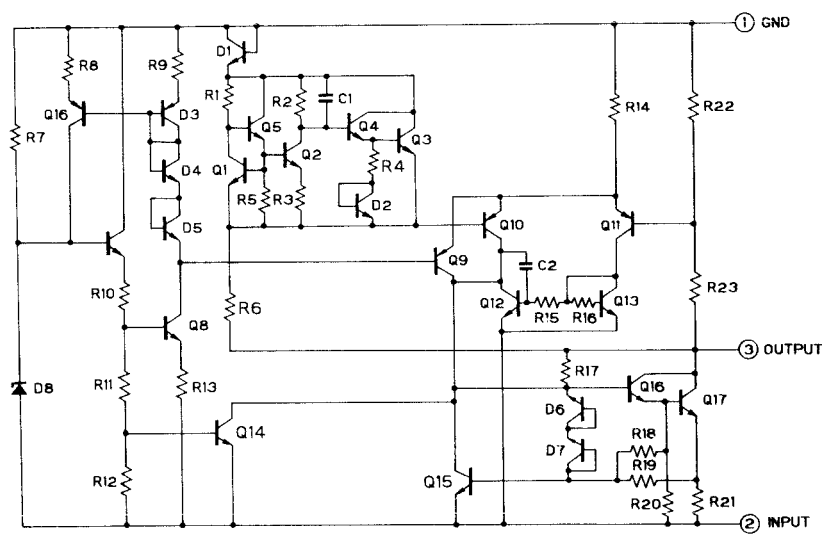
μPC78M05: IC803



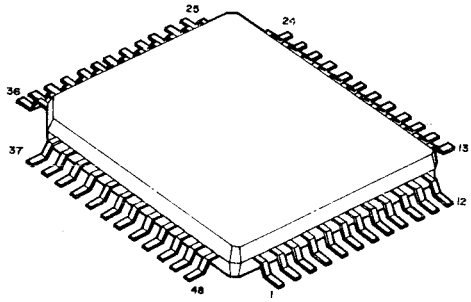


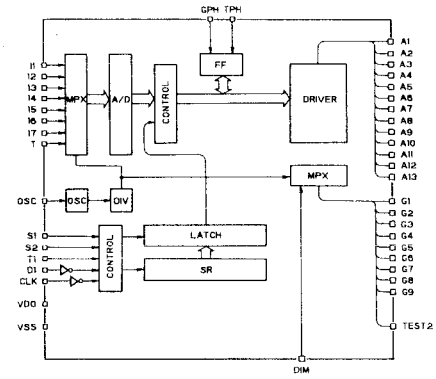
μPC79N15: IC802



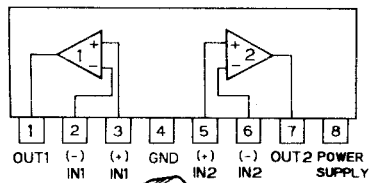


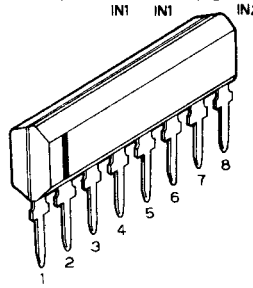
LC7565: IC402

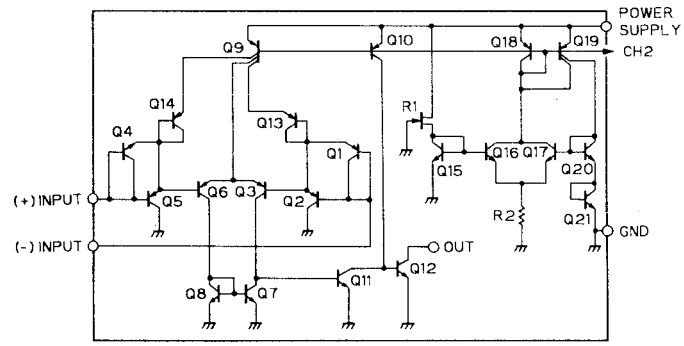




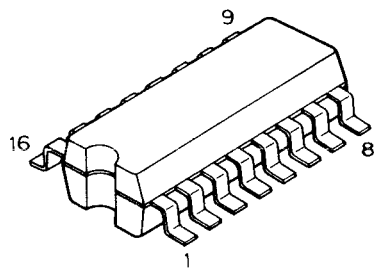
M5233L: IC409

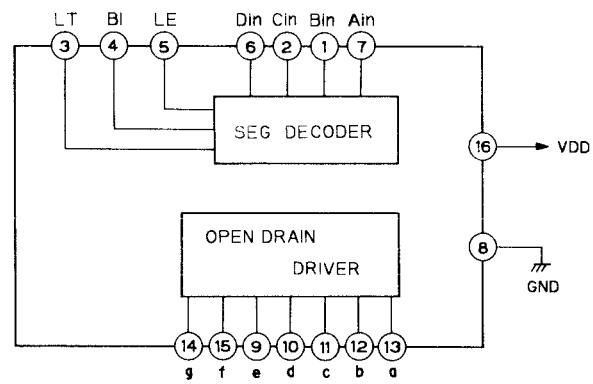




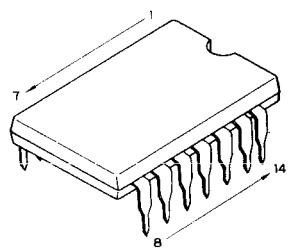


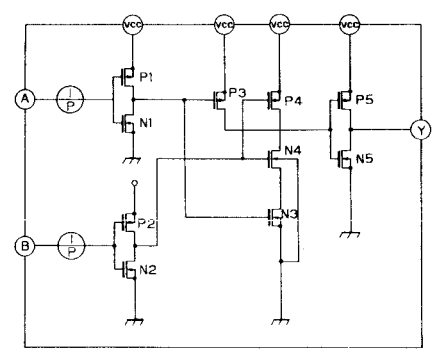
4511 FLT: IC403



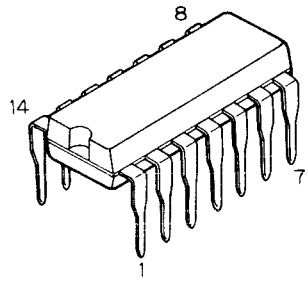


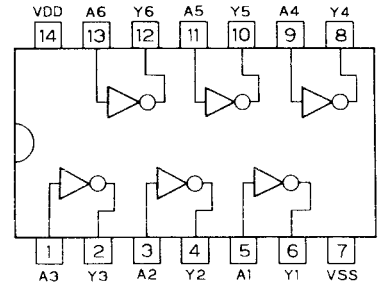
74HC02: IC411





74HC123 FLT: IC404





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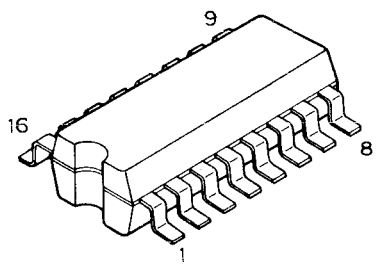
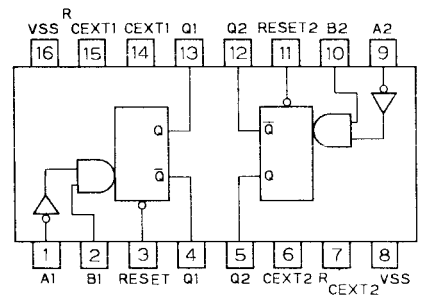
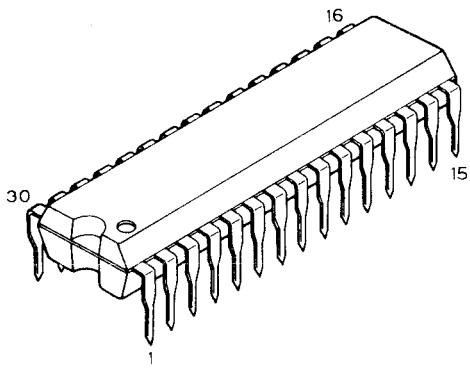
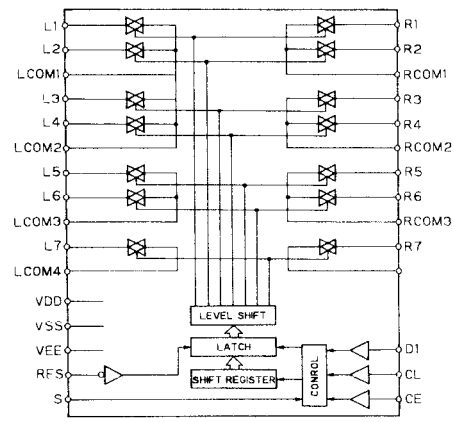


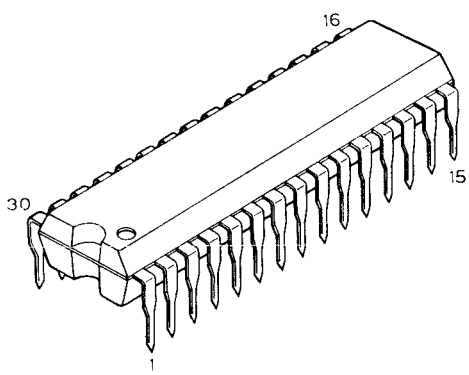


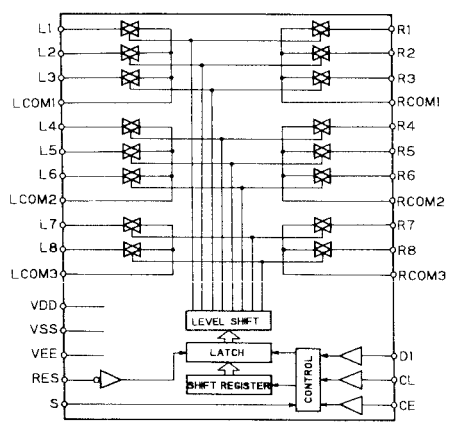
LC7823: IC103, IC205





LC7822: IC315





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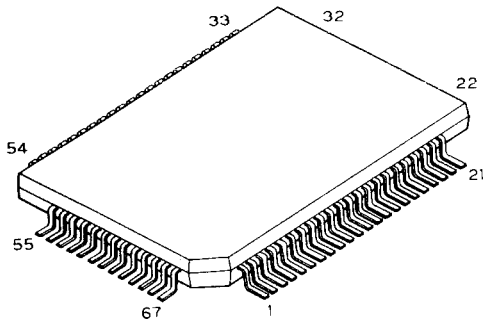

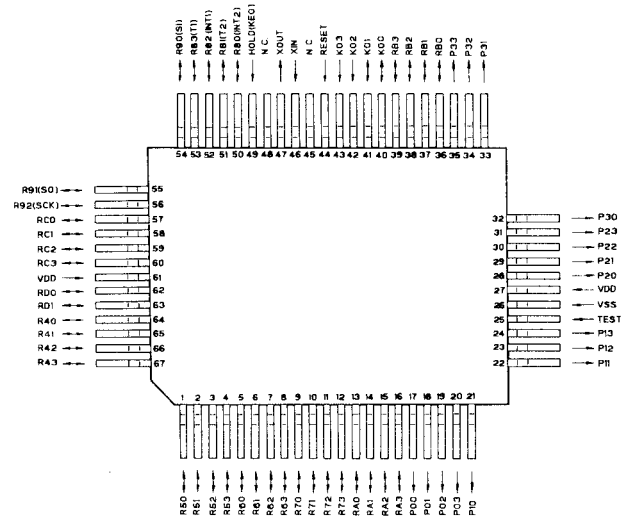

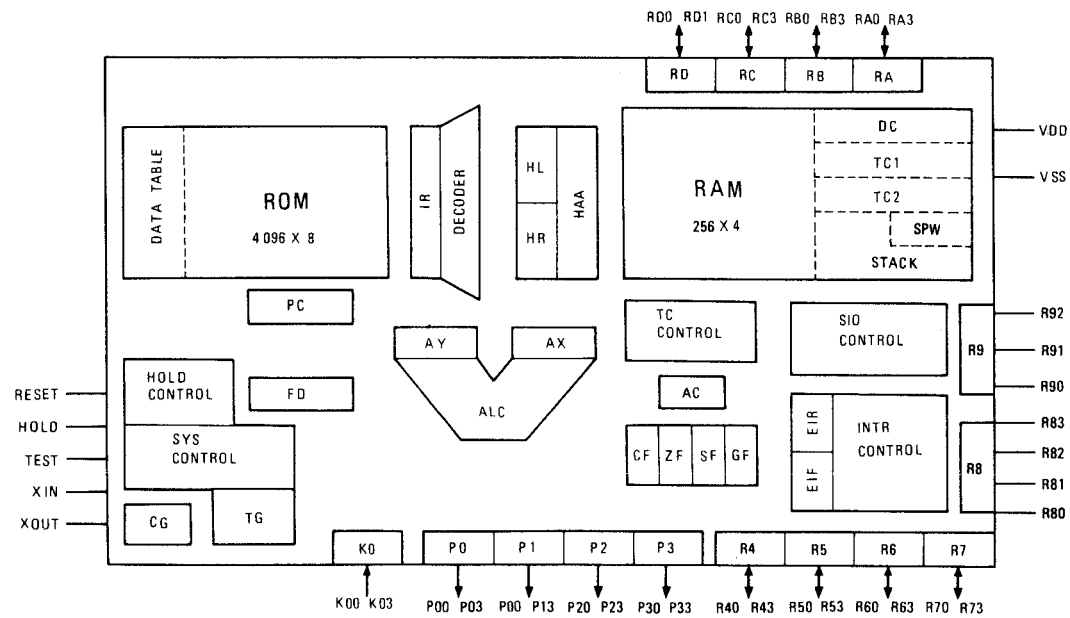

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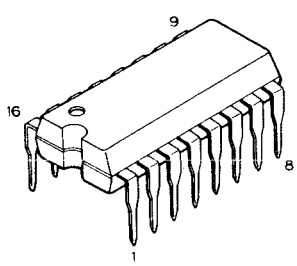

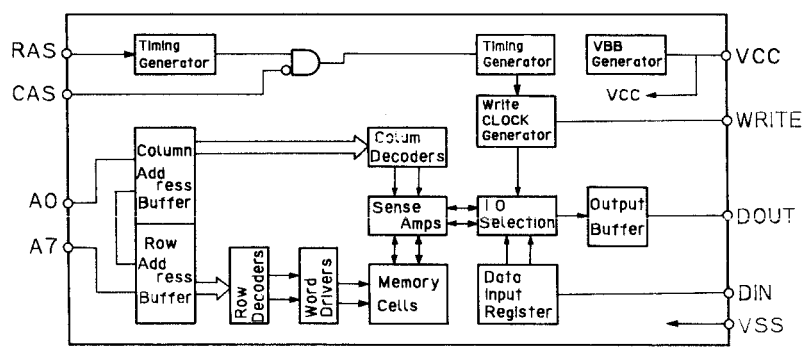

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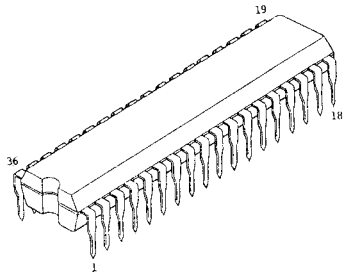

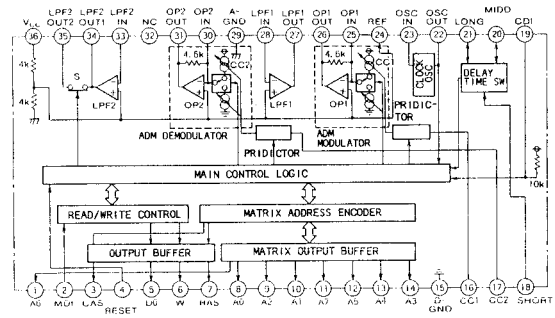

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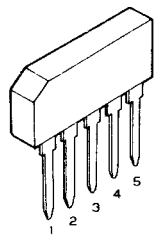

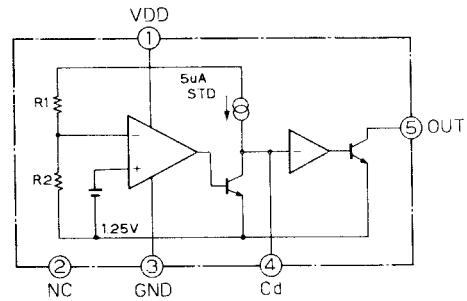

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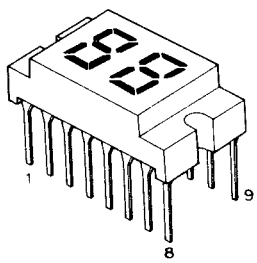

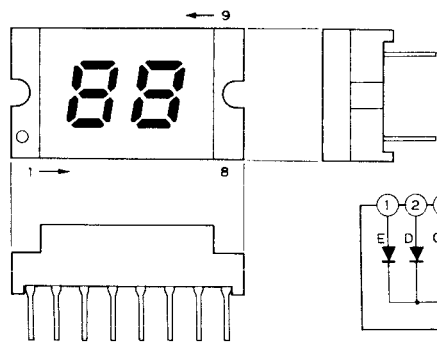

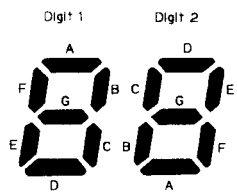

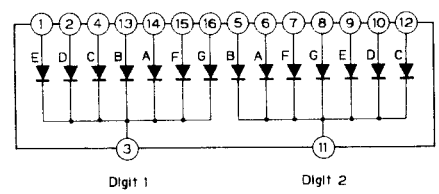

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